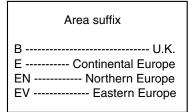
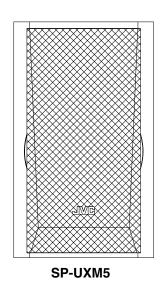
JVC

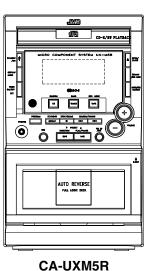
SERVICE MANUAL

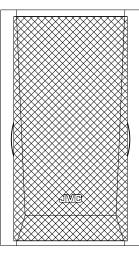
MICRO COMPONENT SYSTEM

UX-M5R









SP-UXM5



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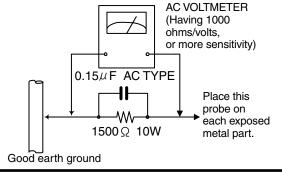
Safety Precautions

- 1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- 2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (1) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
- 5. Leakage currnet check (Electrical shock hazard testing)
 After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
 Do not use a line isolation transformer during this check.
 - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
 - Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

- 1. This equipment has been designed and manufactured to meet international safety standards.
- 2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.

A CAUTION -

Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (—), diode (—) and ICP (—) or identified by the "\(\Lambda\)" mark nearby are critical for safety.

(This regulation does not correspond to J and C version.)

Safety precautions (U.K only) -

- 1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
- 2. Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
- 3. Essential safety critical components are identified by (\(\underset{\Lambda}\)) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

Warning

- 1. Service should be performed by qualified personnel only.
- 2. This equipment has been designed and manufactured to meet international safety standards.
- 3. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- 4. Repairs must be made in accordance with the relevant safety standards.
- 5. It is essential that safety critical components are replaced by approved parts.
- 6. If mains voltage selector is provided, check setting for local voltage.

<u>AUTION</u> Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

Preventing static electricity

1. Grounding to prevent damage by static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

2. About the earth processing for the destruction prevention by static electricity

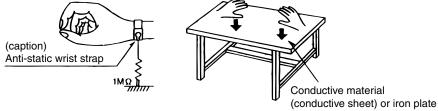
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as CD players. Be careful to use proper grounding in the area where repairs are being performed.

2-1 Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

2-2 Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



3. Handling the optical pickup

- 1. In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- 2. Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

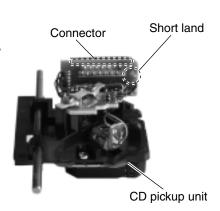
4. Handling the traverse unit (optical pickup)

- 1. Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
- 2. Remove solder of the short land on the card wire after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
- 3. Handle the card wire carefully as it may break when subjected to strong force.
- 4. It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

5. Attention when traverse unit is decomposed

*Please refer to "Disassembly method" in the text for the CD pickup unit.

- Apply solder to the short land before the card wire is disconnected from the connector on the CD pickup unit.
 (If the card wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land after connecting the card wire.



Important for laser products

1.CLASS 1 LASER PRODUCT

- 2.DANGER: Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.
- **3.CAUTION**: There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.
- **4.CAUTION**: The compact disc player uses invisible laserradiation and is equipped with safety switches whichprevent emission of radiation when the drawer is open and the safety interlocks have failed or are de feated. It is dangerous to defeat the safety switches.

5.CAUTION: If safety switches malfunction, the laser is able to function.

6.CAUTION: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

see the beam directly or touch it in case of an adjustment or operation check.

VARNING: Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso

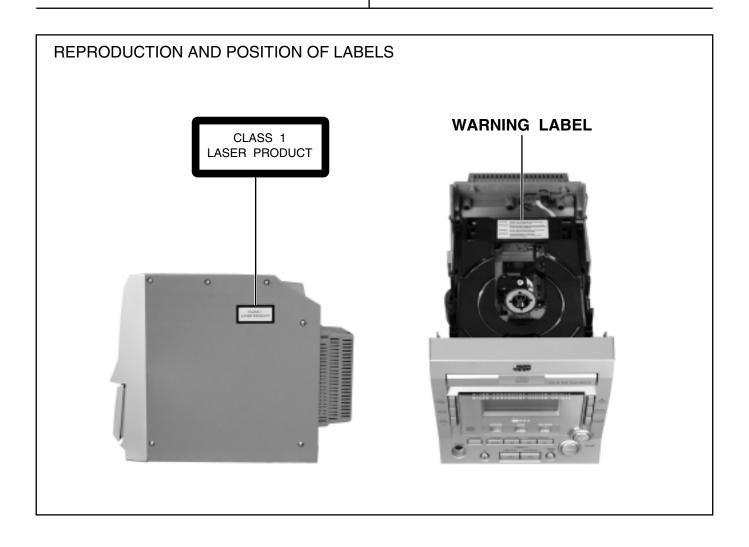
säteeseen.

ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL: Usynlig laserstråling ved åpning,når

sikkerhetsbryteren er avslott. unngå utsettelse

for stråling.



Disassembly method

<Main body section>

Replacement of the fuses and power amplifier IC

■ Replacing the fuses (See Fig. 1.)

 Remove the left side panel according to its disassembly method (see Figs. 6 and 7).

Fuses are located inside the left side panel.

[Caution] Be sure to replace the required fuses with designated ones.

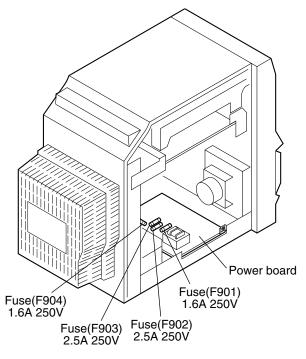
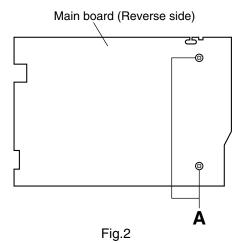


Fig.1

■ Replacing the power amplifier IC on the main board (See Fig. 2.)

- Remove the main board according to its disassembly method (see Figs. 18 and 19).
- 1. From the reverse side of the main board, remove the two screws **A** retaining the bracket.
- 2. From the forward side of the main board, remove the four screws **B** retaining the bracket.
- 3. Remove the screw **C** attaching the power amplifier IC onto the heat sink.
- 4. In order to replace the power amplifier IC, remove the solder from soldered part **a** on the reverse side of the main board.



Soldered part a
Heat sink

Heat sink

B

Power amplifier IC
(IC402)

Bracket

Fig.3

■ Removing the right side panel

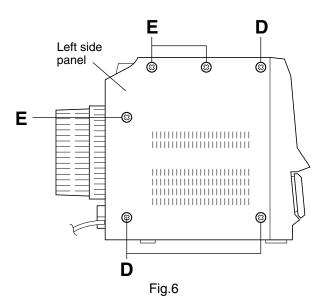
(See Figs. 4 and 5.)

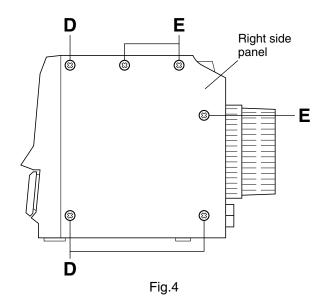
- From the right side of the main body, remove the three screws **D** and three screws **E** retaining the right side panel.
- 2. Slide the right side panel toward the rear (in the direction of arrow 1) until the claw b at the back of the panel is hooked by the chassis and then lift the panel upward (in the direction of arrow 2) to remove it.



(See Figs. 6 and 7.)

- From the left side of the main body, remove the three screws D and three screws E retaining the left side panel.
- 2. Slide the left side panel toward the rear (in the direction of arrow 3) until the claw c at the back of the panel is hooked by the chassis, and then lift the panel upward (in the direction of arrow 4) to remove it.





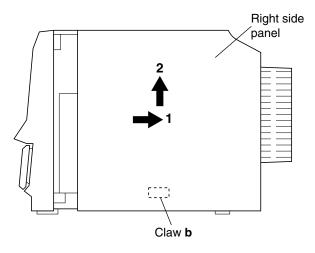
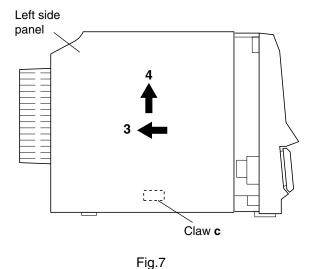


Fig.5



Removing the top cover

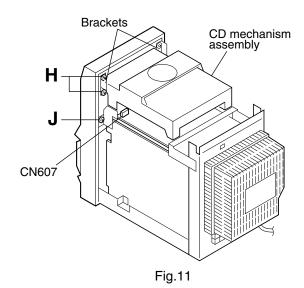
(See Figs. 8 and 9.)

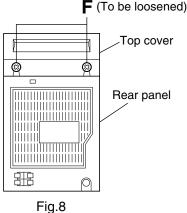
- Remove the left and right side panels.
- 1. From the back side of the main body, loosen the two screws **F** retaining the top cover.
- 2. Lift the rear part of the top cover to remove it.

Removing the front panel assembly (See Figs. 10 to 12.)

- Remove the left and right side panels.
- Remove the top cover.
- 1. Remove the tie band bundling the wires.
- 2. Disconnect the wire from the connector on the cassette switch board.
- 3. Remove the screw G retaining the bracket on the earphone board.
- 4. Disconnect the wires from the two connectors CN607 and CN608 on the CD & MCU board.
- 5. Remove the four screws H and the two screws J retaining the bracket of the CD mechanism assembly from the left and right.
- 6. Remove the screw K retaining the front panel assembly from the bottom side of the main body.
- 7. While opening the hooks d to the left and right of the lower part of the front panel assembly (in the direction of arrows 1), slide the front panel assembly toward the front (in the direction of arrow
- 8. Disconnect the wire from the connector on the PB/REC head board, and then remove the front panel assembly.

[Note] After assembly, apply a locking agent to the screws G, H and J.





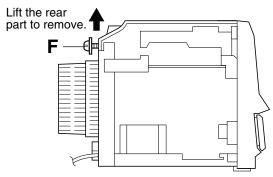


Fig.9

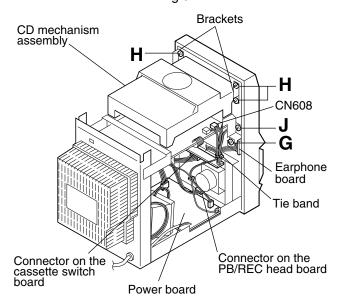


Fig.10

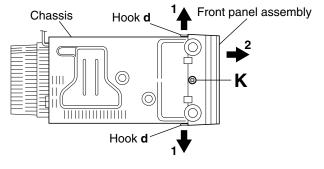


Fig.12

■ Removing the CD mechanism assembly (See Figs. 13 to 15.)

- Remove the left and right side panels.
- Remove the top cover.
- Remove the front panel assembly.
- Disconnect the wires from the four connectors CN601, CN602, CN603 and CN701 on the CD & MCU board.
- 2. From the left side of the main body, remove the tie bands bundling the wires.
- 3. Disconnect the wire from the connector CN902 on the power board.
- 4. From the left and right sides of the main body, remove the four screws **L** retaining the bracket.
- 5. Slide the CD mechanism assembly toward the front and remove it from the stud of the main board.

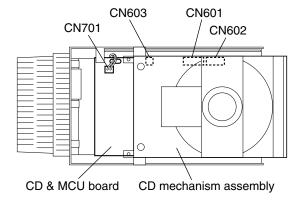
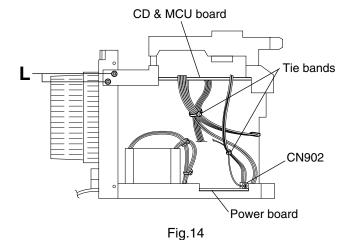
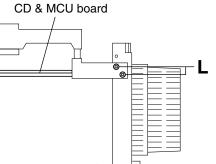


Fig.13





Main board

Fig.15

Stud

Removing the power board

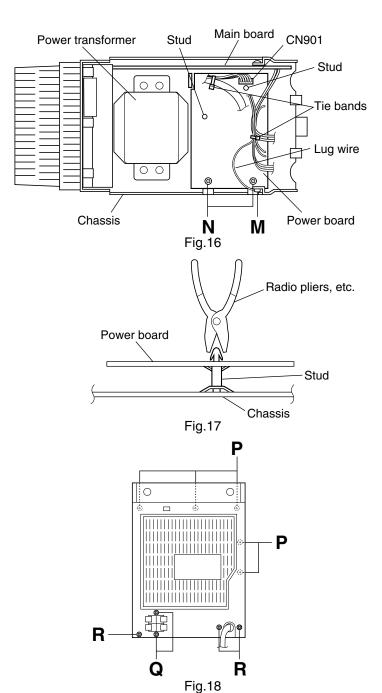
(See Figs. 16 and 17.)

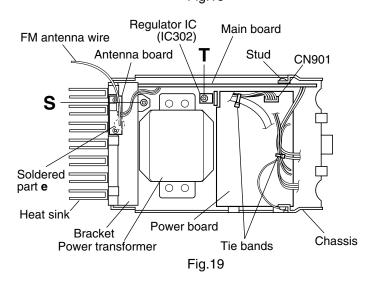
- Remove the left and right side panels.
- 1. Disconnect the wires from the connector CN901 on the power board.
- 2. Remove the tie bands bundling the wires.
- 3. Remove the screw M retaining the lug wire.
- 4. Remove the two screws N retaining the chassis .
- 5. Remove the power board by pinching the two studs retaining the power board using radio pliers, etc.



(See Figs. 18 and 19.)

- Remove the left and right side panels.
- Remove the top cover.
- Remove the front panel assembly.
- Remove the CD mechanism assembly.
- 1. From the inside of the rear panel, remove the five screws **P** retaining the bracket.
- Remove the two screws Q retaining the speaker terminal of the main board.
- 3. Remove the solder from the soldered part **e** that attaches the FM antenna wire to the antenna board.
- 4. Remove the three screws **R** retaining the rear panel, then remove the rear panel.
- 5. From the top side of the main body, remove the screw **S** retaining the bracket of the main board.
- 6. Remove the screw **T** retaining the regulator IC(IC302).
- 7. Remove the tie bands bundling the wires.
- 8. Disconnect the wire from the connector CN901 on the power board.
- Remove the stud on the main board, and then take out the main board from the chassis.





<Front panel assembly section>

- Remove the left and right side panels.
- Remove the top cover.
- Remove the front panel assembly.

■ Removing the key board

(See Fig. 20.)

Remove the ten screws **U** retaining the key board.

■ Removing the cassette mechanism assembly (See Fig. 20.)

Remove the two screws ${\bf V}$ and the two screws ${\bf W}$ retaining the cassette mechanism assembly.

[Note] After assembly, apply a locking agent to the screws V and W.

■ Removing the cassette door damper (See Fig. 20.)

Remove the screw **X** retaining the damper bracket and take out the cassette door damper.

Removing the cassette door stopper (See Fig. 20.)

Remove the two screws **Y** retaining the cassette door stopper and remove the cassette door stopper.

■ Removing the cassette door cover

(See Fig. 21.)

[Note] Use the following procedure to remove only the cassette door cover.

This procedure does not require the removal of exterior parts such as the side panels.

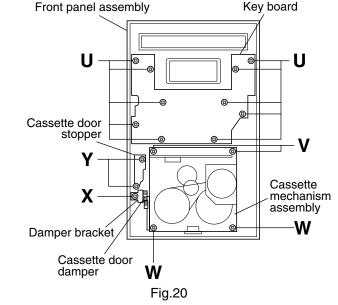
- 1. Open the cassette door.
- Slide the cassette door cover in the direction of the arrow and disengage the two claws f and the two claws g on the left and right of the cassette door cover from the cassette door.

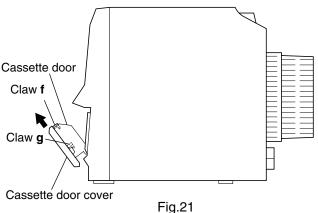
Removing the cassette door

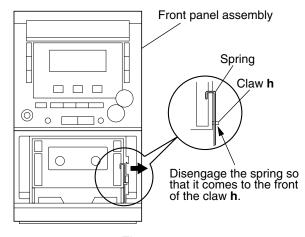
(See Figs. 22 and 23.)

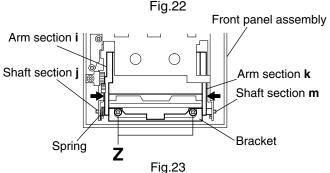
- Remove the cassette mechanism assembly.
- Remove the cassette door cover.
- Open the cassette door, disengage the spring hooked across the front of the front panel assembly and the cassette door in the outward direction, and remove it from the claw h.
- 2. From the back side of the front panel assembly, remove the two screws **Z** retaining the bracket.
- 3. While pushing the arm section i of the cassette door in the direction of the arrow, remove the shaft section j of the cassette door from the front panel assembly.
- 4. While pushing the cassette door arm section k in the direction of the arrow, remove the shaft section m of the cassette door from the front panel assembly.
- Take out the cassette door from the back side of the front panel assembly.

[Caution] In the assembly, be sure to put the spring around the shaft j before attaching the cassette door.









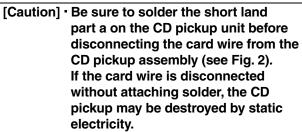
<CD mechanism section>

- Remove the left and right side panels.
- Remove the top cover.
- Remove the front panel assembly.
- Remove the CD mechanism assembly.

■ Removing the CD & MCU board

(See Figs. 1 and 2.)

- From the back side of the CD mechanism assembly, remove the two screws A retaining the CD & MCU board.
- Disengage the two studs retaining the CD & MCU board.
- 3. Disconnect the wires from the two connectors CN702 and CN703 on the CD & MCU board.
- 4. Lift the CD & MCU board and attach solder to the short land part **a** on the CD pickup assembly.
- 5. Disconnect the card wire from the connector CN704 on the CD & MCU board, and take out the CD & MCU board.



 In the assembly, be sure to remove solder from the short land part a after connecting the card wire.

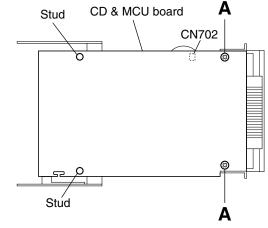


Fig.1

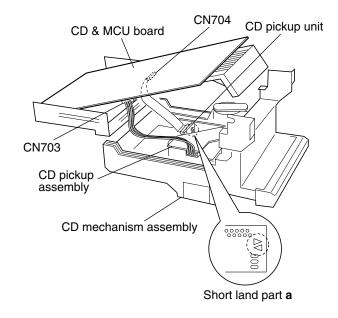


Fig.2

■ Removing the CD pickup assembly (See Fig. 3.)

- Remove the CD & MCU board.
- From the back side of the CD mechanism assembly, remove the four screws B retaining the CD pickup assembly.
- 2. Take out the CD pickup assembly.

[Note] When removing or replacing the dampers, note their colors and be sure to attach them in their correct positions.

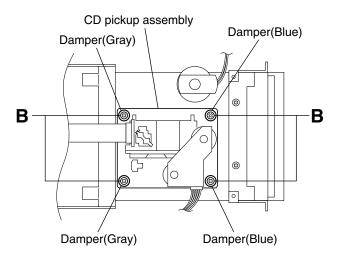
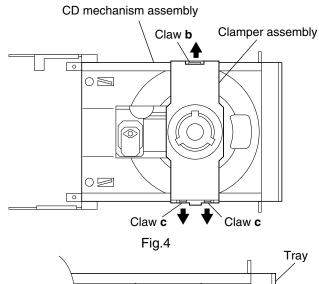


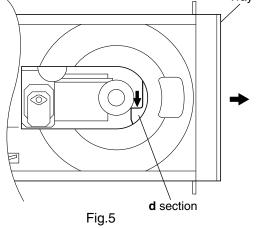
Fig.3

■ Removing the tray motor

(See Figs. 4 to 7.)

- Remove the CD & MCU board.
- 1. On the top of the CD mechanism assembly, open up the claws **b** and **c** at the left and right of the clamper assembly and lift the assembly to remove it.
- 2. On the top of the CD mechanism assembly, push the section **d** of the elevator in the direction of the arrow and lower the CD pickup assembly.
- 3. Pull out the tray.
- 4. While opening up the claws **e** at the left and right of the tray in the directions of the arrows, remove the tray.
- 5. While pushing the claw **f** on the CD mechanism assembly downwards, slide the elevator fully in the direction of the arrow.
- 6. Remove the transparent cover.
- 7. Remove the belt from the tray motor pulley.
- 8. Remove the two screws **C** retaining the tray motor and remove it.
- [Note] Take care not to attach grease on the
 - After attaching the tray motor in the assembly, apply a locking agent to the screws C.





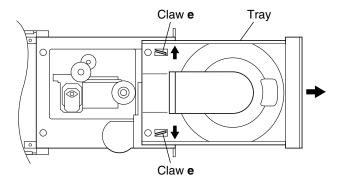
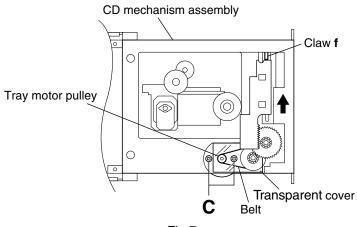


Fig.6



■ Replacing the CD pickup unit (See Figs. 8 to 11.)

[Note] Use the following procedure to replace only the CD pickup unit.

- 1. Remove the left and right side panels (see **Figs.4** to **7** of "Main body section" on page 1-7).
- 2. Remove the top cover (see **Figs.8** and **9** "Main body section" on page 1-8).
- 3. On the top of the main body, open up the claws b and c on the left and right of the clamper assembly in the direction of the arrows and lift the assembly to remove it.
- 4. On the top of the main body, push section **d** on the elevator of the CD mechanism assembly and lower the CD pickup assembly.
- 5. Pull out the tray.
- 6. Remove the slit washer retaining the feed middle gear, and take out the feed middle gear.
- 7. Remove the two screws **D** retaining the shaft.
- 8. Turn the CD pickup unit upside down and apply solder to the short land part **a**.
- Disconnect the card wire from the CD pickup unit and replace the unit.

[Caution] Be sure to solder the short land part a on the CD pickup unit before disconnecting the card wire from the CD pickup unit (see Fig. 11). If the card wire is disconnected without attaching solder, the CD pickup may be destroyed by static electricity.

 In the assembly, be sure to remove solder from the short land part a after connecting the card wire.

Removing the CD pickup unit involves the removal of the sliding spring. In the assembly, be sure to attach the spring in the correct orientation before attaching the CD pickup unit (see Fig. 11).

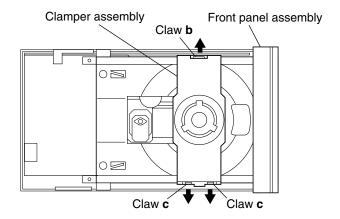


Fig.8
Front panel assembly

d section

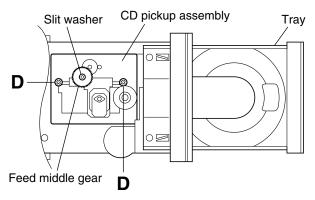


Fig.9

Fig.10

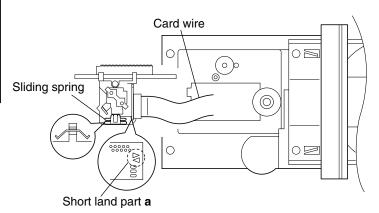


Fig.11

[Note]

Adjustment method

Measuring instructions required for adjustment

- 1. AM signal generator
- 2. FM signal generator
- 3. Inter mediate frequency sweep generator
- 4. FM stereo signal generator
- 5. Low-frequency oscillator (oscillation frequency 50Hz-20kHz, 0dB output with 600 ohm impedance)
- 6. Attenuator (600 ohm impedance)
- 7. Electronic voltmeter
- 8. Distortion meter
- 9. Torque gauge (cassette for CTG-N)
- 10. Wow & flutter meter
- 11. Frequency counter meter
- 12. Test tape

VT712: For tape speed and wow flutter

VT724 : For reference level VT702 : For playback frequency VT702 : For head azimuth adjustment

13. Blank tape

TAPE I: AC-225

■ Measuring instruments

Radio section

FM 1kHz, 22.5kHz deviation

FM STEREO: 1kHz, 67.5kHz deviation

pilot signal 7.5kHz

AM: 1kHz, 30% modulation

Reference output:

H.phone output -10dBs(0.245V) 32 ohm Speaker output 0dBs(2.8V) 8 ohm

Cassette amplifier section

Reference output:

H.phone output -10dBs(0.245V) 32 ohm Speaker output 0dBs(2.8V) 8 ohm

Standard mode of function knob:

Press TAPE knob of select TAPE mode

CD section

CD test disc : CTS-1000

■ Measurement conditions

Power supply voltage AC230V/50Hz

■ Cassette amplifier section

Item	Measuring condition	Check and adjustment procedure	Standard value	Adjusting part
Head azimuth	*Test tape:	1.Play back the test tape VT702 (8kHz).	Output level:	Head azimuth
adjustment	VT702 (8kHz)	2.Adjust the head azimuth adjusting screw so that the	Within ±2dB of	adjusting screw
	- Signal output terminal:	phase difference between the R and L channels is	maximum output	(To be used only
	H.phone out	minimized at an output level that is within ± 2 dB of the	level	after head
	(with 32 ohm load)	maximum output level. After this adjustment, lock the	Phase difference R	replacement)
		head azimuth adjusting screw with screw sealant to	and L channels:	See Fig.1 on
		cover more than a half of the screw head.	Minimum	page 1-17.
		3. When the head azimuth is maladjusted, correct it with		
		the head azimuth adjusting screw.		
Tape speed and	Test tape:	1.Play back the test tape VT712 (3kHz) by the end		Tape speed:
wow/flutter check	VT712 (3kHz)	portion.		Motor semifixed
and adjustment	Signal output terminal:	2.Connect a frequency counter and check that it reads	- 2940 to 3090Hz	resistor
	H.phone out	between 2940 and 3090Hz. If not, adjust the frequency		
	(with 32 ohm load)	with the motor semifixed resistor.		
		3.Check that the wow/flutter is within 0.38%	- Within 0.38%	See Fig.2 on
		(unweighted).	(unweighted)	page 1-17.
				- Check only
PB frequency	■Test tape: VT702	Play back the test tape VT702 while con-firming that	Deviation between	
response check	- Signal output terminal:	deviation between the 1kHz signal and 8kHz signal	1kHz and 8kHz:	
	H.phone out	should be (0+3dB-6dB).	(0+3dB-6dB)	
	(with 32 ohm load)			
Bias frequency	■Tape: Normal	Set the TUNER or CD function and with TAPE to		L203, P201
check	Signal output terminal:	record. Check to see if the frequency at the measuring		See Fig.3 on
	Cassette REC./PLAY	point P201 is 67kHz ±1kHz if not adjust L203 until the		page 1-17.
	HEAD	frequency counter indicates 67 kHz ±1kHz.		
REC and PB	Test tape: AC225	At TUNER, set the BAND to the FM position, and	Level difference for	
frequency	Signal input:	record the reference 1kHz signal and 8kHz signal	1kHz singnal: Within	
response	SG 1kHz -20dBs	alternately repeatedly. While playing back the recorded	(0+3dB-6dB)	
adjustment	with emphasis	signal of the 1kHz signal differ from that of the 8kHz		
	Signal output terminal:	signal by within (0+3dB-6dB).		
	H.phone out			
	(with 32 ohm load)			

■ Tuner section

Item	Measuring condition	Check and adjustment procedure	Standard value	Adjusting part
AM IF adjustment	Signal input: Loop antenna	Set the intermediate frequency sweep generator to AM 450kHz.		
	Signal output: IC101 pin19	2.Adjust T101 for maximum and center output.		T101 See Fig.3 on page 1-17.
AM tracking	Signal input:	1.Set the TUNER at 522kHz adjust L101 until the test		L101, P107
adjustment	Loop antenna	point P107 voltage at 1.1V±0.1V.		
	Signal output: H.phone out	2.Set the TUNER at 1629kHz, check the test point P107 voltage at 7.0V±0.3V.		
	(with 32 ohm load)	3.Set the TUNER and S/G at 603kHz, adjust L102 for maximum output.		L102
		4.Set the TUNER and S/G at 1404kHz, adjust the TC101		TC101
		for maximum output.		See Fig.3 on
		5.Repeat the above steps 3 and 4.		page 1-17.
FM tracking adjustment	Signal input: Dummy antenna	1.Set the TUNER at 87.5MHz adjust the L104 until the test point P105 voltage at 2.3V±0.1V.		L104, P105
	FM ANT FM GND	2.Set the TUNER at 108MHz, check the test point P105 voltage at 6.5V±0.3V.		
	- Signal output:	3.Set the TUNER and S/G at 90.1MHz, adjust L103 for		L103
	H.phone out	maximum output.		
	(with 32 ohm load)	4.Set the TUNER and S/G at 106.1MHz, adjust the		TC102
		TC102 for maximum output.		See Fig.3 on
		5.Repeat the above steps 3 and 4.		page 1-17.

■ Location of adjusting parts

- Cassette mechanism section

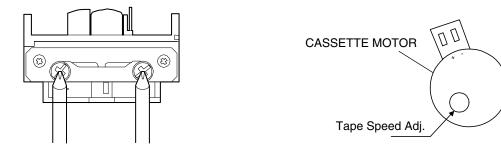


Fig.1 Head azimuth adjustment

Fig.2

- Main board (Forward side)

Note: Measuring points (P105, P107 and P201) are located on the reverse side.

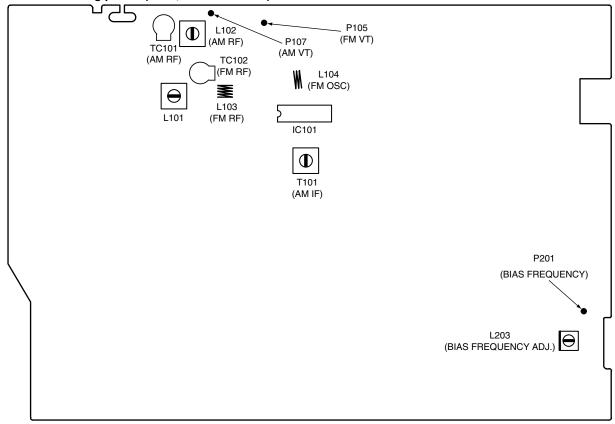
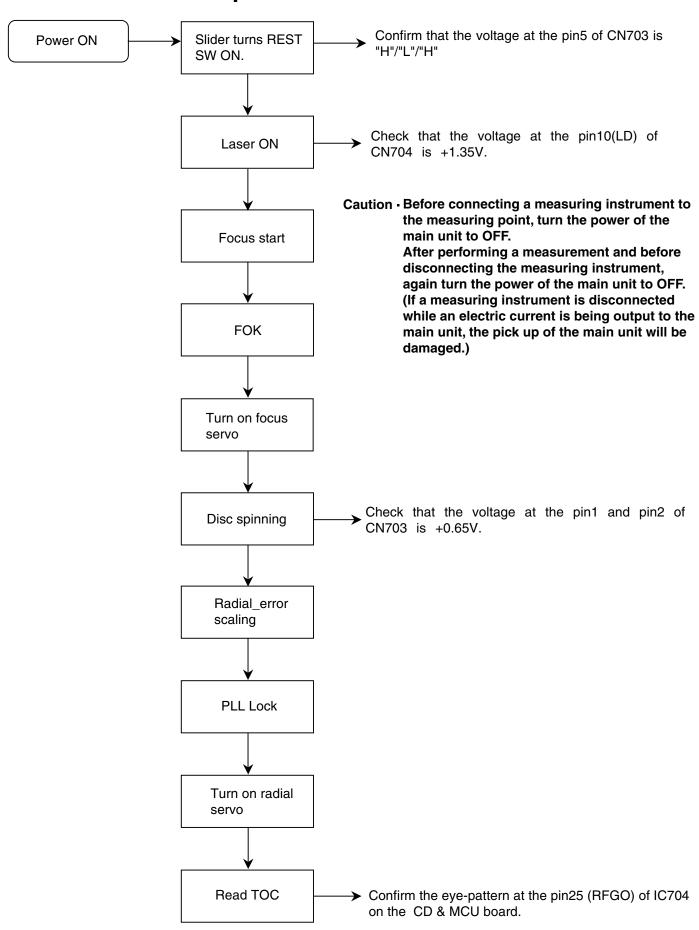


Fig.3

Flow of functional operation until TOC read

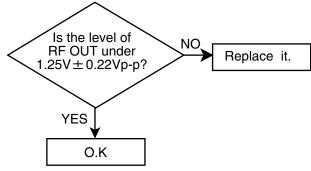


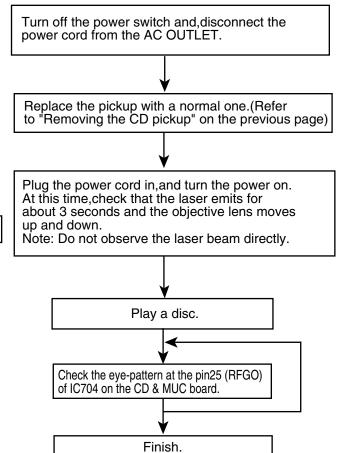
Maintenance of laser pickup

Replacement of laser pickup

- Cleaning the pick up lens
 Before you replace the pick up, please try to
 clean the lens with a alcohol soaked cotton
 swab.
- (2) Life of the laser diode
 When the life of the laser diode has expired,
 the following symptoms will appear.

The level of RF output (EFM output:amplitude of eye pattern) will below.





(3) Semi-fixed resistor on the APC PC board

The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power.

Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.

If the semi-fixed resistor would be adjusted when the pickup operates normally, the laser pickup may be damaged due to excessive current.

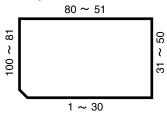
Trouble shooting

Circuit	Symptom	Cause	Remedy
General	No sound	Speakers are not connected.	Check the speaker connection.
		Wrong function is selected.	Set switch to the proper position.
		Defective volume control	Set the volume control to a proper sound level.
		Defective earphone jack	Replace the earphone jack.
		Defect in IC402	Check voltages. Replace if necessary.
		Defect in IC301	Check voltages. Replace if necessary.
M	No sound, weak sound (Low sensitivity)	Improper location of unit	Rotate or reposition the unit.
	(Low scripilivity)	Defect in IF T101	Check resistance, voltage, and current. Replace as needed.
		 Defect AM antenna coil L102 or oscilloscope coil L101 	Replace if necessary.
		 Intermediate frequency tuning faulty 	Readjust (see "Adjustment method").
		RF tracking faulty	Readjust (see "Adjustment method").
		Defective IC101	Check voltages. Replace if necessary.
		Defective IC102	Check voltages. Replace if necessary.
		Poor contact in antenna circuit	Check resistance and resolder.
М	No sound, weak sound (Low sensitivity)	FM antenna not connected	Connect the built-in or external antenna.
		Defective band selector switch	Replace or repair the switch.
		- Defective IC101	Check voltages. Replace if necessary.
		Defective IC102	Check voltages. Replace if necessary.
		 Intermediate frequency tuning faulty 	Readjust (see "Adjustment method").
		Poor contact in FM antenna circuit	Resolder or repair as required.
ape	No sound/recording,	Dirty capstan or head	Clean the capstan or head with alcohol.
	unsteady tape sound, weak sound	 Irregular cassette tape winding 	Replace tape.
		Defective IC201	Check voltages. Replace if necessary.
		Defective IC202	Check voltages. Replace if necessary.
		Cassette erasure prevention tabs broken out	Replace tape or cover tab openings with adhesive tape.
D	Cannot read the table	Disc is inserted upside down.	Insert disc correctly.
	of content. No sound	Disc is dirty.	Wipe clean with a soft cloth.
		Disc is scratched.	Use a new disc.
		Disc is seriously warped.	Use a new disc.
		A non-standard disc has been inserted.	Use only a brand name disc.
		Moisture has formed inside the CD deck.	Wait about 20 to 30 minutes.
		Defective IC701	Check voltages. Replace if necessary.
		Defective IC704	Check voltages. Replace if necessary.
		Defective IC703	Check voltages. Replace if necessary.
		Defect in the CD pickup mechanism	Replace as required.

Description of major ICs

■TC9462F (IC701) : Digital servo single chip processor

1. Terminal layout



2. Pin function

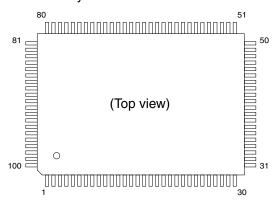
Pin No.	Symbol	I/O	Function				
1	TEST0	ı	Test mode terminal. Normally, keep at open.				
2	HSO	0	Playback speed mode flag output terminal.				
3	UHSO	0	UHSO HSO PLAYBACK SPEED				
			H H Normal				
			H L 2 times				
			L H 4 times				
4	EMBLI						
4	EMPH	0	Subcode Q data emphasis flag output terminal. Emphasis ON at "H" level and OFF at "L" level. The output polarity can invert by command.				
5	LRCK	0	Channel clock output terminal. (44.1kHz) L-ch at "L" level and R-ch at "H" level.				
3	LHOR		· · · · · · · · · · · · · · · · · · ·				
	VCC1		The output polarity can invert by command.				
6	VSS1	-	Digital ground terminal.				
7	BCK	0	Bit clock output terminal. (1.4112MHz)				
8	AOUT	0	Audio data output terminal.				
9	DOUT	0	Digital data output terminal.				
10	MBOV	0	Buffer memory over signal output terminal. Over at "H" level.				
11	IPF	0	Correction flag output terminal. At "H" level, AOUT output is made to correction				
10	00011	impossibility by C2 correction processing.					
12	SBOK	0	Subcode Q data CRCC check adjusting result output terminal. The adjusting				
4.0	01.014	.,,	result is OK at "H" level.				
13	CLCK	1/0	Subcode P~W data readout clock input/output terminal. This terminal can select by command bit.				
4.4	\/DD4						
14	VDD1	-	higital ground terminal				
15	VSS2	-	Digital ground terminal.				
16	DATA	0	Subcode P~W data output terminal.				
17	SFSY	0	Playback frame sync signal output terminal.				
18	SBSY	0	Subcode block sync signal output terminal.				
19	SPCK	0	Processor status signal readout clock output terminal.				
20	SPDA	0	Processor status signal output terminal.				
21	COFS	0	Correction frame clock output terminal. (7.35kHz)				
22	MONIT	0	Internal signal (DSP internal flag and PLL clock) output terminal. Selected by				
			command. This terminal output the text data with serial by command.				
23	VDD2	-	Digital power supply voltage terminal.				
24	TESIO0	I	Test input/output terminal. Normally, keep at "L" level. The terminal that inputted				
			the clock for read of text data by command.				
25	P2VREF	-	PLL double reference voltage supply terminal.				
26	HSSW	0	2/4 times speed at "VREF" voltage.				
27	ZDET	0	1 bit DA converter zero detect flag output terminal.				
28	PDO	0	Phase difference signal output terminal of EFM signal and PLCK signal.				

Pin No.	Symbol	I/O	Function			
29	TMAXS	0	TMAX detection result output terminal. Selected by command bit (TMPS).			
30	TMAX	0	TMAX detection result output terminal. Selected by command bit (TMPS).			
			DIFFERENCE RESULT TMAX OUTPUT			
			Longer than fixed freq. "P2VREF"			
			Shorter than fixed freq. "Vss"			
			Within the fixed freq. "HiZ"			
31	LPFN	I	LPF amplifier inverting input terminal for PLL.			
32	LPFO	0	LPF amplifier output terminal for PLL.			
33	PVREF	-	PLL reference voltage supply terminal.			
34	VCOREF	1	VCO center frequency reference level terminal. Normally, keep at "PVREF" level.			
35	VCOF	0	VCO filter terminal.			
36	AVSS1	-	Analog ground terminal.			
37	SLCO	0	Data slice level output terminal.			
38	RFI	I	RF signal input terminal.			
39	AVDD1	-	Analog power supply voltage terminal.			
40	RFCT	I	RFRP signal center level input terminal.			
41	RFZI	1	RFRP zero cross input terminal.			
42	RFRP	I	RF ripple signal input terminal.			
43	FEI	- 1	Focus error signal input terminal.			
44	SBAD	1	Sub-beam adder signal input terminal.			
45	TSIN	I	Test input terminal. Normally, keep at "VREF" level.			
46	TEI	I	Tracking error signal input terminal. Take in at tracking servo on.			
47	TEZI	1	Tracking error zero cross input terminal.			
48	FOO	0	Focus servo equalizer output terminal.			
49	TRO	0	Tracking servo equalizer output terminal.			
50	VREF	-	Analog reference voltage supply terminal.			
51	RFGC	0	RF amplitude adjustment control signal output terminal.			
52	TEBC	0	Tracking balance control signal output terminal.			
53	FMO	0	Feed equalizer output terminal.			
54	FVO	0	Speed error signal or feed search equalizer output terminal.			
55	DMO	0	Disk equalizer output terminal.			
			(PWM carrier=88.2kHz for DSP, Synchronize to PXO)			
56	2VREF	-	Analog double reference voltage supply terminal.			
57	SEL	0	APC circuit ON/OFF indication signal output terminal.			
			At the laser on time, UHF = L at "HiZ" level and UHF = H at "H" level.			
58	FLGA	0	External flag output terminal for internal signal.			
			Can select signal from TEZC, FOON, FOK and RFZC by command.			
59	FLGB	0	External flag output terminal for internal signal.			
			Can select signal from DFCT, FOON, FMON and RFZC by command.			
60	FLGC	0	External flag output terminal for internal signal.			
			Can select signal from TRON, TRSR, FOK and SRCH by command.			
61	FLGD	0	External flag output terminal for internal signal.			
			Can select signal from TRON, DMON, HYS and SHC by command.			
62	VDD3	-	Digital power supply voltage terminal.			
63	VSS3	-	Digital ground terminal.			
64	100	I/O				
65	IO1	I/O	` , ,			
66	102	I/O	At the output mode time can control a state of terminal (H/L/HiZ) by command.			
67	IO3	I/O				

Pin No.	Symbol	I/O	Function
68	DMOUT	Ι	This terminal controls IO0~IO3 terminal. At "L" level time, IO0, 1 out feed
			equalizer signal of 2-state PWM, IO2,3 out disk equalizer signal of 2-state PWM.
69	CKSE	_	Normally, keep at open.
70	DACT	Ι	DAC test mode terminal. Normally, keep at open.
71	TESIN	I	Test input terminal. Normally, keep at "L" level.
72	TESIO1	I	Test input/output terminal. Normally, keep at "L" level.
73	VSS4	-	Digital ground terminal.
74	PXI	I	Crystal oscillator connecting input terminal for DSP. Normally, keep at "L" level.
75	PXO	0	Crystal oscillator connecting output terminal for DSP.
76	VDD4	-	Digital power supply voltage terminal.
77	XVSS	-	Oscillator ground terminal for system clock.
78	XI	1	Crystal oscillator connecting input terminal for system clock.
79	XO	0	Crystal oscillator connecting output terminal for system clock.
80	XVDD	-	Oscillator power supply voltage terminal for system clock.
81	DVSR	-	Analog ground terminal for DA converter.(R-ch)
82	RO	0	R channel data forward output terminal.
83	DVDD	-	Analog supply voltage terminal for DA converter.
84	DVR	-	Reference voltage terminal for DA converter.
85	LO	0	L channel data forward output terminal.
86	DVSL	-	Analog ground terminal for DA converter.(L-ch)
87	TEST1	- [Test mode terminal. Normal, keep at open.
88	TEST2	I	Test mode terminal. Normal, keep at open.
89	TEST3	ı	Test mode terminal. Normal, keep at open.
90	BUS0	I/O	Micon interface data input/output terminal.
91	BUS1	I/O	
92	BUS2	I/O	
93	BUS3	I/O	
94	VDD5	-	Digital power supply voltage terminal.
95	VSS5	-	Digital ground terminal.
96	BUCK	ı	Micon interface clock input terminal.
97	CCE	ı	Command and data sending/receiving chip enable signal input terminal.
			The bus line becomes active at "L" level.
98	TEST4		Test mode terminal. Normal, keep at open.
99	TSMOD	1	Local test mode selection terminal.
100	RST		Reset signal input terminal. Reset at "L" level.

■ TMP87EP26F (IC601) : MCU

1. Terminal layout



2.Pin function

Pin No.	Symbol	I/O	Function
1	VSS	-	GND (0V)
2	XOUT	0	Resonator connecting pins for high clock(4-8MHz).
3	XIN	ı	For inputting external clock, XIN is used and XOUT is opened.
4	RESET	I/O	Reset signal input or watchdog timer output/address-trap-reset output
5	XTOUT(P22)	I/O	Resonator connecting pins for slow clock(32.768kHz)
6	XTIN(P21)	9	or general purpose I/O.
7	TEST	Ι	Test pin for out-going test. Always fixed to low.
8	SHIFT FREQ	0	Shift the crystal oscillation frequency to reduce tuner noise.
9	REMOTE		Remote control signal input
10	MUTE	0	Audio mute output
11	PLAY MUTE	0	Muting output during play
12	REC MUTE	0	Muting output during recording
13	PLAY/REC	0	Play or recording output, low for recording.
14	NC(SCK2)	ı	Not connect
15	NC(SI2)	ı	Not connect
16	NC(SO2)	-	Not connect
17	REC SW (RVS)/(WAIT)	Ι	Deck reverse record protection input. Low means can record on
			reverse side.
18	REC SW (FWD)	Ι	Deck forward record protection input. Low means can record on
			forward side.
19	B-SOL+	0	Solenoid output for deck B.
20	B-MODE SW	_	Mode switch input of deck B. Low means the head is up.
21	VOL STB	0	TC9422F volume STB output
22	POWER	0	Power output control
23	B-HALF SW	_	Half switch input of deck B. Low means deck B have tape.
24	JOG-B/VOL DATA	I/O	Jog dial input and TC9422F volume data output
25	JOG-A/VOL CLK	I/O	Jog dial input and TC9422F volume clock output
26	RDS CLK		BU1923F(RDS demodulator) interface CLK input
27	V MOTOR	0	Motor output
28	B-PHOTO OUT		Reel pulse input of deck B. Have pulse input means the tape is rotating.
29	CD-RW	0	CD-RW control output
30	RES	0	CD servo reset output

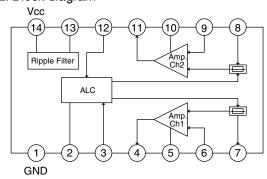
Pin No.	Symbol	I/O	Function
31	CCE	0	Servo DSP chip enable output
32	BUCK	0	Servo DSP clock output
33	BUS0		Servo DSP command and data I/O
34	BUS1		Servo DSP command and data I/O
35	BUS2	I/O	Servo DSP command and data I/O
36	BUS3	I/O	Servo DSP command and data I/O
37	SLOUT	0	Tray open/close outputs for current sensor drawer type mechanism.
38	SLIN	0	
39	SLT	I	CD pick up position input: L if pick up is in inner side.
40	SLEND	I	Current sensor input
41	NC	-	Not connected
42	RDS DATA	ı	BU1923F(RDS demodulator) interface data input
43	STEREO	I	Stereo input pin for tuner stereo indication
44	POWER DETECT	I	Power down detection
45	AD K3	Ι	Panel key analog input
46	AD K2	I	Panel key analog input
47	AD K1	I	Panel key analog input
48	VAREF	-	Analog reference voltage input
49	BOOT	ı	Control input for writing MCU program area via ICU interface.
50	VSS	-	GND (0V)
51	VDD	-	VDD (+5V)
52~91	SEG39~0	0	LCD segment outputs
92~95	COM3~0	0	LCD common outputs
96	VLC	-	LCD drive power supply
97	PLL DATA	I/O	TC9257P (PLL) interface
98	PLL CLK	0	TC9257P (PLL) interface
99	PLL PERIOD	0	TC9257P (PLL) interface
100	VDD	-	VDD (+5V)

■ AN7312 (IC202): Dual recording/Playback pre-amplifier circuit with ALC

1. Terminal layout



2. Block diagram

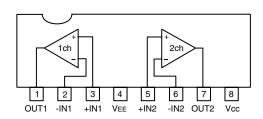


3. Pin function

Pin No.	Symbol	I/O	Function
1	GND	-	GND
2	ALC time constant	-	ALC time constant by resistance and capacitor
3	ALC input Ch.1	_	Right channel ALC input
4	Output Ch.1	0	Right channel output
5	Phase compensation Ch.1	-	No connect
6	N.F.B. Ch.1	-	Right channel negative feed back input
7	Input Ch.1	- [Right channel signal input
8	Input Ch.2	-	Left channel signal input
9	N.F.B. Ch.2	I	Left channel negative feed back input
10	Phase compensation Ch.2	-	No connect
11	Output Ch.2	0	Left channel output
12	ALC input Ch.2	I	Left channel ALC input
13	Ripple filter	-	Ripple filter
14	Vcc	ı	Power supply

■ BA4558N (IC401,IC403) : Dual operational amplifier

1. Terminal layout & Block diagram

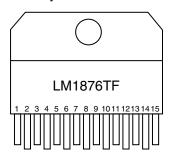


2. Pin function

Pin No.	No. Symbol		Function
1	OUT1	0	A output
2	-IN1	ı	A -input
3	+IN1	ı	A +input
4	VEE	-	V-
5	+IN2	ı	B +input
6	-IN2	ı	B -input
7	OUT2	0	B output
8	Vcc	-	V+

■ LM1876TF (IC402): Overture audio power amplifier series

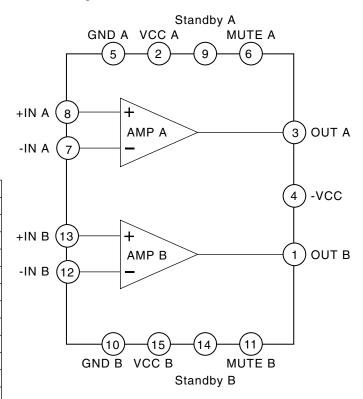
1. Terminal layout



2. Pin function

Pin No.	Symbol	I/O	Function
1	OUT B	0	B output
2	VCC A	-	A V+
3	OUT A	0	A output
4	-Vcc	-	V-
5	GND A	-	Power terminal
6	MUTE A	-	Control
7	-IN A	ı	A -input
8	+IN A	ı	A +input
9	Standby A	-	Control
10	GND B	-	Power terminal
11	MUTE B	-	Control
12	-IN B	ı	B -input
13	+IN B	ı	B +input
14	Standby B	-	Control
15	VCC B	-	BV+

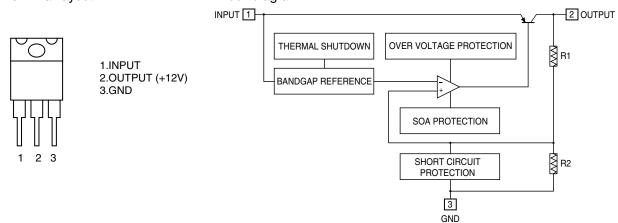
3. Block diagram



■ NJM7812A (IC302): Regulator

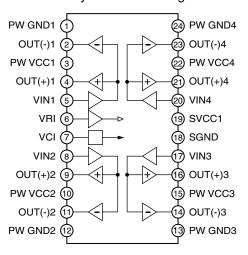
1. Terminal layout

2. Block diagram



■TA2092N (IC703): Power driver

1.Terminal Layout & Block Diagram

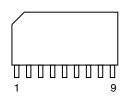


2. Pin function

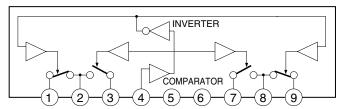
Pin No.	Symbol	I/O	Function
1	PW GND1	-	Power GND
2	OUT(-)1	0	Inverted output for CH1
3	PW VCC1	-	Supply terminal of output stage for CH1
4	OUT(+)1	0	Non-inverted output for CH1
5	VIN1		Input for CH1
6	VRI	I	Input reference voltage
7	VCI	0	Output reference voltage
8	VIN2	Ι	Input for CH2
9	OUT(+)2	0	Non-inverted output for CH2
10	PW VCC2	-	Supply terminal of output stage for CH2
11	OUT(-)2	0	Inverted output for CH2
12	PW GND2	-	Power GND
13	PW GND3	-	Power GND
14	OUT(-)3	0	Inverted output for CH3
15	PW VCC3	-	Supply terminal of output stage for CH3
16	OUT(+)3	0	Non-inverted output for CH3
17	VIN3	ı	Input for CH3
18	SGND	-	Supply terminal of small signal GND
19	SVCC1	-	Small signal GND
20	VIN4	I	Input for CH4
21	OUT(+)4	0	Non-inverted output for CH4
22	PW VCC4	-	Supply terminal of output stage for CH4
23	OUT(-)4	0	Inverted output for CH4
24	PW GND4	-	Power GND

■ UPC1330 (IC201): REC/PB audio head switch

1. Terminal layout



2. Block diagram



3. Pin function

Pin No.	Symbol	I/O	Function
1	SWR1	-	Record SW (Left channel)
2	GND	•	GND
3	SWP1	-	Play SW (Left channel)
4	CONT	•	Record/play control pin
5	GND	•	GND
6	VCC	-	Power supply
7	SWP2	-	Play SW (Right channel)
8	GND	-	GND
9	SWR2	•	Record SW (Right channel)

■TA2104BN (IC101): 1chip AM/FM, MPX tuner system

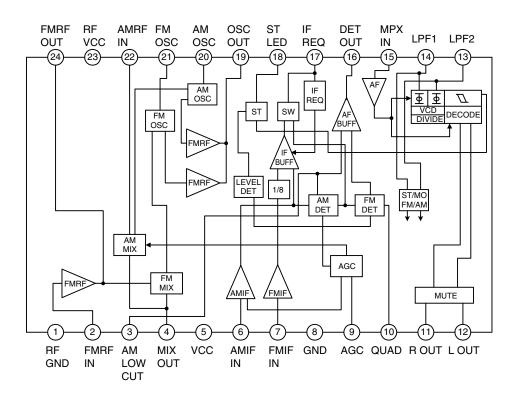
1. Terminal layout

24 FMRF OUT RFGND 1 FMRF IN 2 23 RF VCC AM LOW CUT 3 AMRF IN 22 MIX OUT 21 FM OSC VCC 5 20 AM OSC AMIF IN 6 OSC OUT 19 ST LED IF REQ FMIF IN 18 GND 8 17 AGC 9 16 DET OUT QUAD 10 R OUT 11 L OUT 12 MPX IN 15 14 LPF1 13 LPF2

2. Pin function

Pin No.	Symbol	I/O	Function
1	RFGND	•	Ground terminal for RF
2	FMRF IN		Input of FMRF signal
3	AM LOW CUT	_	AM low frequency cut
4	MIX OUT	IIX OUT O Output of FM/AM RF mix	
5	VCC	-	Power supply terminal
6	AMIF IN	I	Input of AMIF signal
7	FMIF IN	I	Input of FMIF signal
8	GND	-	Ground terminal
9	AGC	1	AGC voltage input terminal
10	QUAD	ı	OSC terminal for FM DET.
11	R OUT	0	Output R-channel
12	L OUT	0	Output L-channel
13	LPF2	I	FM/AM switch
14	LPF1	ı	Stereo/monoral switch
15	MPX IN	I	Multiplex signal input
16	DET OUT	0	AM/FM detection output
17	IF REQ	0	IF out/REQ out
18	ST LED	0	Stereo indicator output
19	OSC OUT	0	PLL data bus for FM or AM
20	AM OSC	-	AM local oscillation circuit
21	FM OSC	-	FM local oscillation circuit
22	AMRF IN	ı	Input of AMRF signal
23	RF VCC	-	Power supply terminal for RF
24	FMRF OUT	0	Output of FMRF signal

3. Block diagram

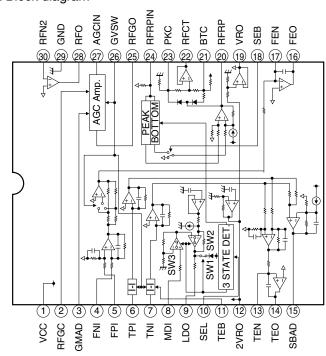


■TA2153FN (IC704): RF amplifier for digital servo

1. Terminal layout

VCC 1 RFGC 2 GMAD 3 FNI 4 FPI 5 TPI 6 TNI 7 MDI 8 RFN2 30 29 GND RFO 28 27 **AGCIN** GVSW 26 25 RFGO 24 RFRPIN 23 PKC LDO 9 22 RFCT SEL 10 21 BTC TEB 11 2VRO 12 20 RFRP 19 VRO 18 SEB 17 FEN TEN 13 TEO 14 SBAD 15 16 FEO

2. Block diagram



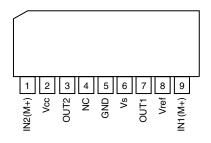
3. Pin function

Pin No.	Symbol	I/O		Function					
1	VCC	-	Power supply input terminal						
2	RFGC	ı	RF amplitude	RF amplitude adjustment control signal input terminal. Controlled by 3-PWM					
			signals. (PWI	signals. (PWM carrier = 88.2kHz)					
3	GMAD	-	Open loop ga	in adjustment	terminal for AGC amplifier				
4	FNI	I	Main beam I	-V amplifier in	put terminal				
5	FPI	ı	Main beam I	-V amplifier in	put terminal				
6	TPI	I	Sub beam I-	V amplifier inp	out terminal				
7	TNI	ı	Sub beam I-	V amplifier inp	out terminal				
8	MDI	ı	Monitor photo	diode amplifi	ier input terminal				
9	LDO	0	Laser diode a	Laser diode amplifier input terminal					
10	SEL	ı	Laser diode d	control signal i	nput terminal and APC circuit C	N/OFF control signal			
			terminal						
			SEL level	APC circuit	LDO	Detect frequency			
			GND	OFF	Connected to Vcc through	Low			
					resistor (1kohm)				
			Hiz	Hiz ON Control signal output Low		Low			
			Vcc ON Control signal output High		High				
11	TEB	ı	Tracking erro	r balance adju	ıstment signal input terminal. Co	ontrolled by 3-PWM			
			signals. (PWI	signals. (PWM carrier = 88.2kHz)					
12	2VRO	0	Reference vo	Reference voltage (2VRO) output terminal 2RVO = 4.2V when Vcc = 5V					
13	TEN	ı	TE amplifier i	negative input	terminal				
14	TEO	0	TE error sign	al output term	inal				
15	SBAD	0	Sub beam ac	Sub beam adder signal output terminal					
16	FEO	0	Focus error signal output terminal						
17	FEN	ı	FE amplifier negative input terminal						

Pin No.	Symbol	I/O	Function					
18	SEB	ı	RFRP output circuit switching terminal					
			SEL level Bottor	m detection	Peak detection			
			GND	ON	ON			
			Vcc	OFF	ON			
19	VRO	0	Reference signal (VRO)	output termin	al			
20	RFRP	0	Track count signal output	terminal				
21	BTC	ı	Time constant adjustmer	nt terminal for	bottom detection			
22	RFCT	0	RFRP signal center level	output termi	nal			
23	PKC	ı	Time constant adjustment terminal for peak detection					
24	RFRPIN	ı	Input terminal for track count signal output amplifier					
25	RFGO	0	Output terminal for RF signal amplitude adjustment amplifier					
26	GVSW	ı	Amplifier (AGC, FE, TE) gain switching terminal					
			GVSW Mo	de				
			GND CD-F	RW				
			Hiz Nor	mal				
			Vcc Nori	mal				
27	AGCIN	I	nput terminal for RF sigr	nal amplitude	adjustment amplif	ier		
28	RFO	0	Output terminal RF signal amplifier					
29	GND	-	Ground terminal					
30	RFN2	I	nput terminal for RF sigr	nal amplifier				

■TA7291S (IC702) : Bridge driver

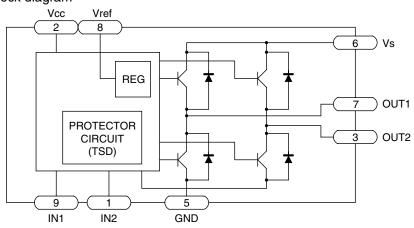
1.Terminal Layout



2.Pin function

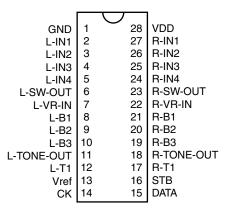
_			
Pin No.	Symbol	I/O	Function
1	IN2(M-)	ı	Input terminal
2	Vcc	-	Supply voltage terminal for logic
3	OUT2	0	Output terminal
4	NC	-	Not connect
5	GND	-	Ground terminal
6	Vs	-	Supply voltage terminal for motor driver
7	OUT1	0	Output terminal
8	Vref	-	Supply voltage terminal for control
9	IN1(M+)		Input terminal

3.Block diagram

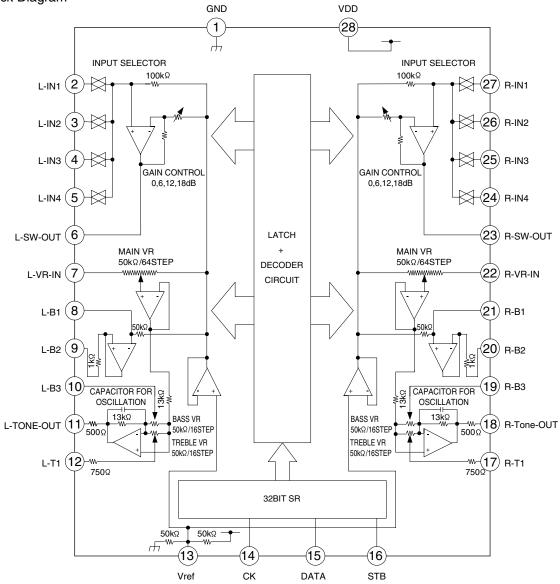


■TC9422F (IC301): System electronic volume

1.Terminal Layout



2.Block Diagram

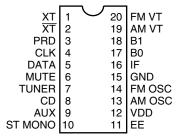


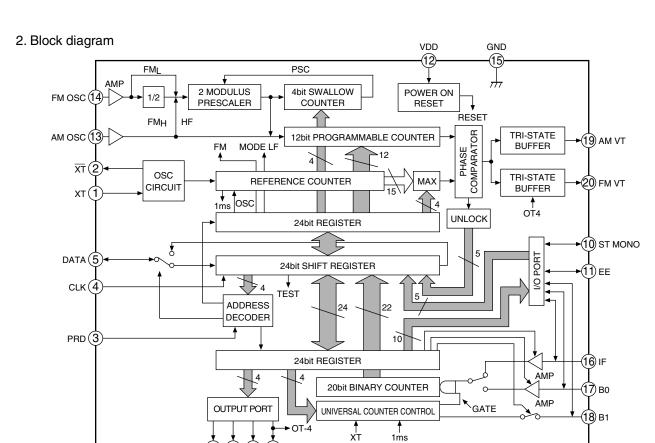
3.Pin Function

Pin No.	Symbol	I/O	Function
1	GND	-	Ground pin
2	L-IN1	I	Audio signal input pin (L-ch)
3	L-IN2	I	Audio signal input pin (L-ch)
4	L-IN3	I	Audio signal input pin (L-ch)
5	L-IN4	I	Audio signal input pin (L-ch)
6	L-SW-OUT	0	Audio signal output pin (L-ch)
7	L-VR-IN	I	Main volume input pin (L-ch)
8	L-B1	I	Tone control tap pin 1 for bus
9	L-B2	I	Tone control tap pin 2 for bus
10	L-B3	I	Tone control tap pin 3 for bus
11	L-TONE-OUT	0	Tone control output pin (L-ch)
12	L-T1	ı	Tone control tap pin for treble (L-ch)
13	Vref	ı	Reference voltage input pin
14	CK	ı	Clock input pin
15	DATA	ı	Data input pin
16	STB	ı	Strobe input pin
17	R-T1	ı	Tone control tap pin for treble (R-ch)
18	R-TONE-OUT	0	Tone control output pin (R-ch)
19	R-B3	ı	Tone control tap pin 3 for bus
20	R-B2	ı	Tone control tap pin 2 for bus
21	R-B1	ı	Tone control tap pin 1 for bus
22	R-VR-IN	ı	Main volume input pin (R-ch)
23	R-SW-OUT	0	Audio signal output pin (R-ch)
24	R-IN4	ı	Audio signal input pin (R-ch)
25	R-IN3	ı	Audio signal input pin (R-ch)
26	R-IN2	ı	Audio signal input pin (R-ch)
27	R-IN1	ı	Audio signal input pin (R-ch)
28	VDD	-	Power supply voltage pin

■TC9257F (IC102): PLL frequency synthesizer

1. Terminal layout





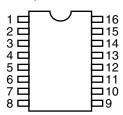
3. Pin function

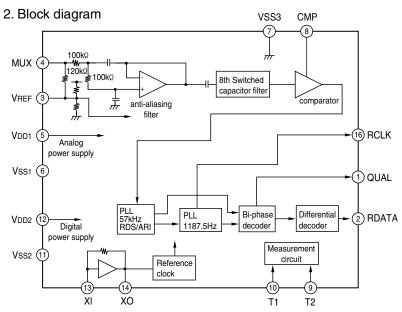
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XT	ı	Crystal oscillator pins	11	EE	I/O	General-purpose I/O port
2	XT	0	Crystal oscillator pins	12	VDD	-	Power supply pin
3	PRD	ı	Period signal input	13	AM OSC	1	Programmable counter input
4	CLK	ı	Clock signal input	14	FM OSC	1	Programmable counter input
5	DATA	I/O	Serial data input/output	15	GND	-	Ground pin
6	MUTE	0	General-purpose output port	16	IF	I/O	General-purpose I/O port
7	TUNER	0	General-purpose output port	17	B0	I/O	General-purpose I/O port
8	CD	0	General-purpose output port	18	B1	I/O	General-purpose I/O port
9	AUX	0	General-purpose output port	19	AM VT	0	Phase comparator output
10	ST MONO	I/O	General-purpose I/O port	20	FM VT	0	Phase comparator output

MUTE CD TUNER

■ BU1923F (IC602) : RDS decoder

1. Terminal layout

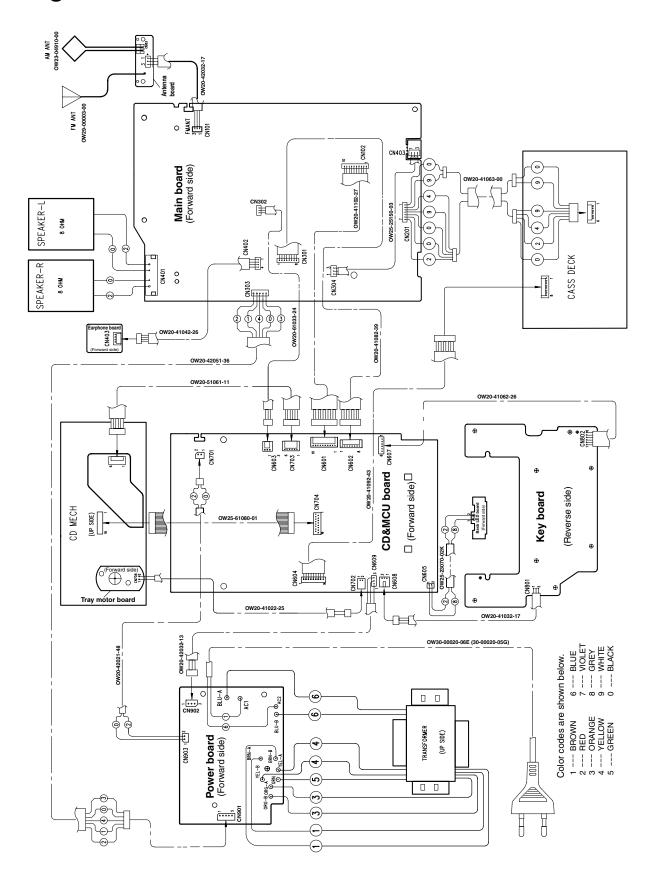




3. Pin function

Pin No.	Symbol	I/O	Function
1	QUAL	0	Demodulator quality good: HI
2	RDATA	0	Demodulator data
3	VREF	-	1/2 VDD1 see application
4	MUX	-	Composite see application
5	VDD1	-	Analog power supply
6	VSS1	-	Analog power supply
7	VSS3	-	Analog power supply
8	CMP	-	See application
9	T1	-	H: Internal clock stop L: operation
10	T2	-	Testing (do not use)
11	VSS2	-	Digital power supply
12	VDD2	-	Digital power supply
13	ΧI	-	4.332MHz see application
14	XO	-	4.332MHz see application
15	NC	-	No connection
16	RCLK	-	1187.5Hz

Wiring connection



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VICTOR COMPANY OF JAPAN, LIMITED

AUDIO & COMMUNICATION BUSINESS DIVISION

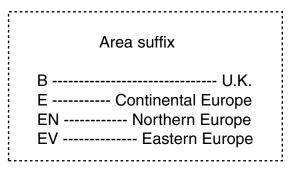
PERSONAL & MOBILE NETWORK BUSINESS UNIT. 10-1,1Chome,Ohwatari-machi,maebashi-city,371-8543,Japan

No.21110

PARTS LIST

[UX-M5R]

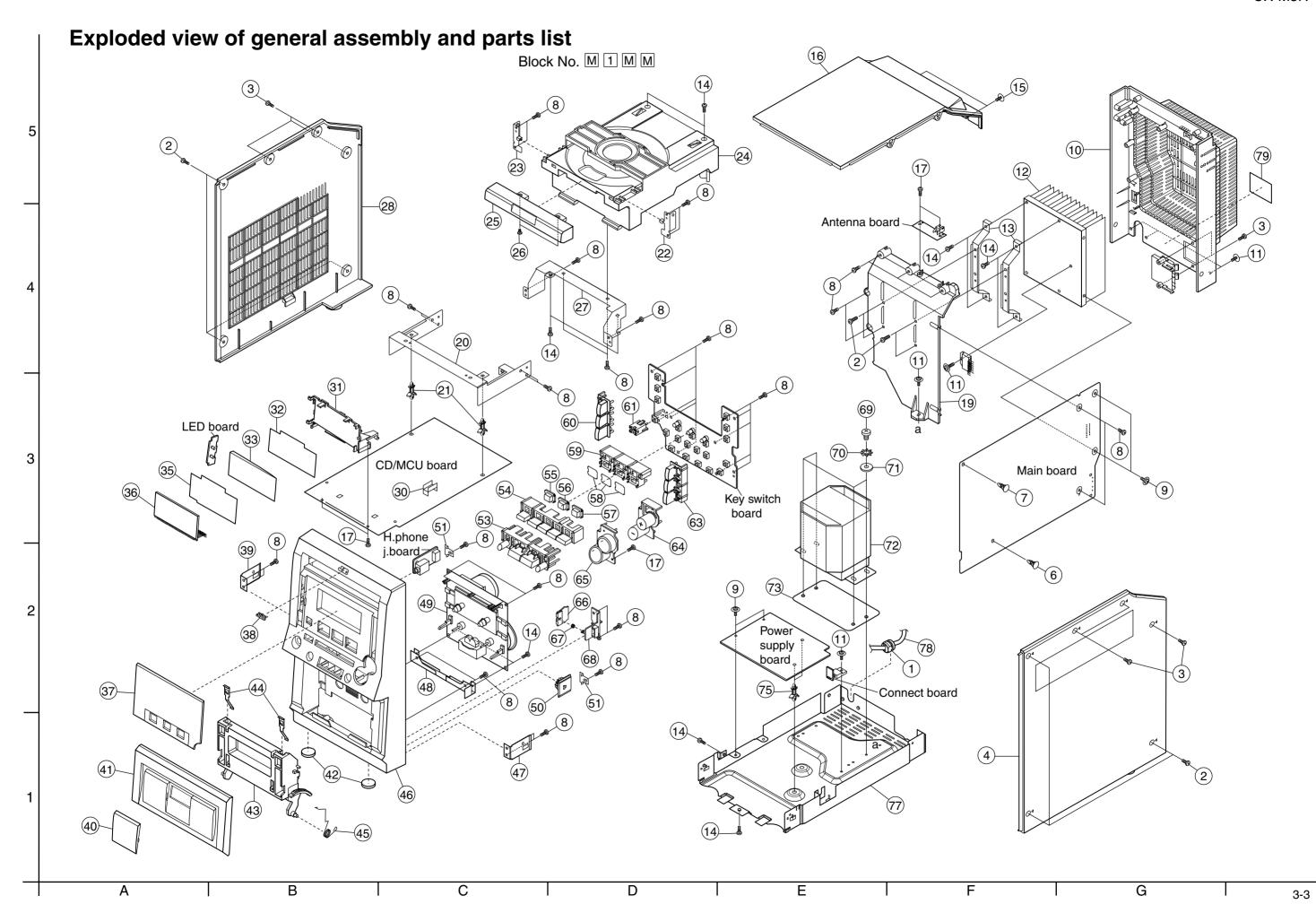
* All printed circuit boards and its assemblies are not available as service parts.



- Contents -

Exploded view of general assembly and parts list (Block No.M1)	3-	3
Electrical parts list (Block No.01~04)	3-	5
Packing materials and accessories parts list (Block No.M3,M5)	3-1	4

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UX-M5R

UX-M5R

■ Parts list (General assembly)

Block No. M1MM

■ Parts list (General assembly)

Ricc	k Nia	M1MM	

_		st (General assem	1	<u> </u>	Block No. M1MM			
$\underline{\mathbb{A}}$	Item	Parts number	Parts name	Q'ty	Description	Area		
Λ	1	OW84-10002-02	S.R BUSHING	1	SR-F41			
	2	OW40-23010-52	SCREW	10	M3X10 BH/MS			
	3	OW40-13012-01	SCREW	8	M3X12 BH/ST			
	4	OW61-30000-02	RIGHT SIDE PLATE	1				
	6	OW84-00006-01	PCB LOCK SUPPORT	1	RS-5			
	7	OW84-30000-02	PCB LOCK SUPPORT	1	RS-3			
	8	OW40-13008-91	SCREW	41	M3X8 BH/ST			
	9	OW40-03006-53	SCREW	4	M3X6 WH/MS TAP			
	10	OW61-50000-02	REAR CABINET	1				
	11	OW40-03008-53	SCREW	6	M3X8 WH/MS TAP			
	12	OW39-50000-01	HEAT SINK	1				
	13	OW39-50000-02	HEAT SINK	2				
	14	OW40-03006-81	SCREW	12	M3X6 BH/MS TAP			
	15	OW40-13012-03	SCREW	2	M3X12 WH/ST			
	16	OW60-30000-01	TOP CABINET	1				
	17	OW40-12608-21	SCREW	5	2.6X8 BH/ST			
	19	OW48-50000-01	MAIN PCB BRACKET	1				
	20	OW39-30000-03	CD REAR MOUNT BKT	1				
	21	OW84-30000-05	PCB LOCK SUPPORT	2	CS-0813			
	22	OW39-30000-01	CD F.MOUNT BKT	1	RIGHT			
	23	OW39-30000-00	CD F.MOUNT BKT	1	LEFT			
	24	OW98-00110-03	CD MECHA	1	TCP11TK4 +TD001			
	25	OW66-30000-04	CD DOOR	1				
	26	OW40-12605-21	SCREW	2	2.6X5 BH/ST			
	27	OW39-30000-02	CD F.MOUNT BKT	1	FRONT			
	28	OW61-30000-01	SIDE PLATE	1	LEFT			
	30	OW39-00013-00A	CDT13 HEAT SINK	1				
	31	OW48-30000-01	LCD BLACKET	1				
	32	OW68-50000-00	LIGHT GUIDE PAPER	1				
	33	OW43-30000-05	LIGHT GUIDE	1				
	35	OW68-30000-01	LCD FILTER	1				
	36	OW91-80005-00	LCD	1	92194TT-P YEEBO			
	37	OW43-30000-12	DISPLAY LENS	1				
	38	OW55-30000-00	BADGE	1				
	39	OW39-30000-04	FP MOUNT BRACKET	1	LEFT SIDE BASE			
	40	OW43-30000-11	CASS DOOR LENS	1				
	41	OW66-30000-01	CASS DOOR COVER	1				
	42	OW81-00155-01	RUBER FOOT	2				
	43	OW66-00155-03	TECHNICAL DOOR	1				
	44	OW39-30000-07	CASS TAPE SPRING	2				
	45	OW36-30000-00	TORSION SPRING	1				
	46	OW60-30000-07	FRONT CABINET	1				
	47	OW39-30000-05	FP MOUNT BRACKET	1	RIGHT SIDE BASE			
	48	OW39-00055-01	DECK MECHA BKT	1				
	49	OW94-33439-01	CASSETTE MECHA	1	12V/AUTO-REV			
	50	OW63-00155-01	DAMPER GEAR	1				
	51	OW39-00155-13	D.GERA HOLDER	2				
	53	OW53-30000-06	KEY BUTTON	1	RECORD/DIRECTION			

		st (General assemb	11)		BIOCK INO.	
Λ	Item	Parts number	Parts name	Q'ty	Description	Area
	54	OW53-30000-09	KEY BUTTON	1	STOP/PROGRAM	
	55	OW43-30000-14	LENS FUNCTION	1	CD	
	56	OW43-30000-15	LENS FUNCTION	1	TUNER	
	57	OW43-30000-16	LENS FUNCTION	1	TAPE	
	58	OW68-30000-02	F.KEY FILTER	3	FUNCTION	
	59	OW53-30000-04	KEY BUTTON	1	FUNCTION	
	60	OW53-30000-01	KEY BUTTON	1	OPEN/CLOSE	
	61	OW48-30000-02	REMOTE SENSOR	1		
	63	OW53-30000-00	KEY BUTTON	1	STANDBY	
	64	OW53-30000-05	KEY BUTTON	1	VOLUME	
	65	OW48-30000-00	ORNAMENT	1	RING	
	66	OW49-00155-01	LACH CAM	1		
	67	OW36-00155-03A	COMPRESS SPRING	1		
	68	OW49-00155-02	LATCH CAM HOLDER	1		
	69	OW40-10408-81	SCREW	4	M4X8 BH	
	70	OW35-20001-01	TOOTH WASHER	4		
	71	OW35-00010-03	METAL WASHER	4		
A	72	OW15-80005-00	POWER TRANS	1	EI-76 T05875A VDE	
	73	OW39-00006-02	TRANS M.BRACKET	1		
	75	OW84-30000-04	PCB LOCK SUPPORT	2	CS-0610	
	77	OW39-50000-00	BOTTOM CASE	1		
Λ	78	OW30-00020-06E	AC POWER COARD	1	7 VDE BLK	E,EN,EV
$\overline{\mathbb{A}}$		OW30-00053-09	AC POWER COARD	1	6.5 MOULDED	В
	79	OW87-50000-08	NAME PLATE	1		EV
		OW87-50000-02	NAME PLATE	1		B,E,EN

		al parts list (Mai									
Λ	Item	Parts number	Parts name	Remarks	Area	Λ	Item	Parts number	Parts name	Remarks	Area
	CF101	OW09-50450-00J	CERAMIC FILTER	SFU450B 450HK2			C160	OW05-03682-06T	CHIP CAPACITOR	6800PF K682	
	CF102	OW09-50107-20J	CERAMIC FILTER	LT10.7MS3 RED			C161	OW05-03682-06T	CHIP CAPACITOR	6800PF K682	
	CF103	OW09-50107-07J	CERAMIC DIS	JT10.7MFG82			C166	OW05-03104-03T	CHIP CAPACITOR	0.1MF 10%	
	CN01A	OW20-12030-00	CONNECTOR HEAD	P=2.5MM 3PIN			C168	OW05-03223-06T	C.CAPACITOR	0.022MF K223	
İ	CN102	OW20-41102-27	CONNECTOR	P=2MM 10PIN	ĺ	İ	C169	OW05-00104-00	C.CAPACITOR	0.1MF 10% 50V	ĺ
	CN201	OW20-41063-00	CONNECTOR HOUG	P=2MM 6PIN			C201	OW05-03151-03T	C.CAPACITOR	150PF N151J 500A	
	CN301	OW20-41082-39	CONNECTOR HOUG	P=2MM 8PIN			C202	OW05-03182-06T	C.CAPACITOR	0.0018MF K182	
	CN302	OW20-61033-24	CONNECTOR	3PIN			C203	OW06-50105-02	E.CAPACITOR	1MF 50V	
		OW20-42051-36	CONNECTOR HOUG	P=2.5MM 5PIN			C203	OW06-16227-00		220MF 16V	
	CN303 CN401			CJ-9007-040			C204		E.CAPACITOR		
		OW12-00006-02	CONNECTOR					OW05-03102-06T	C.CAPACITOR	1000PF K102	
	CN402	OW20-41042-26	CONNECTOR HOUG	P=2MM 4PIN			C206	OW05-03102-06T	C.CAPACITOR	1000PF K102	
	CN403	OW25-25150-03	3P CABLE	UL2468			C207	OW06-50105-00	E.CAPACITOR	1MF 50V	
	C102	OW05-00223-02	C.CAPACITOR	0.022MF			C208	OW06-16227-00	E.CAPACITOR	220MF 16V	
	C103	OW05-03300-10	CHIP CAPACITOR	30PF 5% SMD NPO			C209	OW05-03272-06T	C.CAPACITOR	0.0027MF K272	
	C104	OW05-09391-05	PP CAPACITOR	390PF 5% 5MM			C210	OW05-03331-03T	CHIP CAPACITOR	330PF N500 J331	
	C105	OW05-03180-06T	C.CAPACITOR	18PF N180J 500A			C211	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C107	OW05-00220-06	C.CAPACITOR	22PF 5% NPO			C212	OW05-03472-06T	C.CAPACITOR	4700PF K472	
	C108	OW05-00200-06	C.CAPACITOR	20PF 5% NPO			C213	OW05-03563-06T	C.CAPACITOR	0.056MF	
	C109	OW05-00470-06	C.CAPACITOR	47PF 5% NPO			C214	OW05-03473-06T	C.CAPACITOR	0.047MF K473	
	C110	OW05-07104-82B	C.CAPACITOR	0.1MF 50V			C215	OW06-50224-02	E.CAPACITOR	0.22MF 50V	
	C111	OW05-03102-06T	C.CAPACITOR	1000PF K102			C216	OW06-16476-00	E.CAPACITOR	47MF 16V	
	C116	OW05-03104-03T	CHIP CAPACITOR	0.1MF 10%			C217	OW05-03561-03T	CHIP CAPACITOR	560PF N500 J560	
	C117	OW05-03104-03T	CHIP CAPACITOR	0.1MF 10%			C220	OW05-03151-03T	C.CAPACITOR	150PF N151J 500A	
	C118	OW05-03102-06T	C.CAPACITOR	1000PF K102			C221	OW05-03151-03T	C.CAPACITOR	150PF N151J 500A	
	C119	OW05-00102-00	C.CAPACITOR	0.001MF 10% 50V			C222	OW05-03151-03T	C.CAPACITOR	150PF N151J 500A	
	C120	OW05-03120-03T	C.CAPACITOR	12PF N500 J120 500V			C223	OW05-03182-06T	C.CAPACITOR	0.0018MF K182	
	C121	OW05-00102-00	C.CAPACITOR	0.001MF 10% 50V			C224	OW06-50105-02	E.CAPACITOR	1MF 50V	
	C122	OW05-03331-03T	CHIP CAPACITOR	330PF N500 J331			C225	OW06-16227-02	E.CAPACITOR	220MF 16V	
	C123	OW06-16106-00	E.CAPACITOR	10MF 16V			C226	OW06-50105-00	E.CAPACITOR	1MF 50V	
İ	C124	OW06-50105-00	E.CAPACITOR	1MF 50V	j	Î	C227	OW06-16227-00	E.CAPACITOR	220MF 16V	Ì
	C125	OW06-50104-00	E.CAPACITOR	0.1MF 50V			C228	OW05-03331-03T	CHIP CAPACITOR	330PF N500 J331	
	C126	OW06-50104-00	E.CAPACITOR	0.1MF 50V			C229	OW06-50475-02	E.CAPACITOR	4.7MF 50V	
	C127	OW06-50474-00	E.CAPACITOR	0.47MF 50V			C230	OW05-03272-06T	C.CAPACITOR	0.0027MF K272	
	C128	OW05-03223-06T	C.CAPACITOR	0.022MF K223			C231	OW05-03473-06T	C.CAPACITOR	0.047MF K473	
Ī	C129	OW06-16227-00	E.CAPACITOR	220MF 16V	İ	İ	C232	OW05-03472-06T	C.CAPACITOR	4700PF K472	İ
	C131		C.CAPACITOR				C233	OW05-03563-06T	C.CAPACITOR	0.056MF	
		OW05-03333-06T OW06-50475-02		0.033MF K333							
	C132		E.CAPACITOR	4.7MF 50V			C234	OW06-16106-00	E.CAPACITOR	10MF 16V	
	C133	OW06-50475-00	E.CAPACITOR	4.7MF 50V			C235	OW06-16227-00	E.CAPACITOR	220MF 16V	
	C134	OW06-50475-00	E.CAPACITOR	4.7MF 50V			C236	OW05-03223-06T	C.CAPACITOR	0.022MF K223	
	C135	OW05-03103-06T	C.CAPACITOR	0.01MF K103			C237	OW06-50224-00	E.CAPACITOR	0.22MF 50V	
	C136	OW05-03103-06T	C.CAPACITOR	0.01MF K103			C238	OW06-16106-00	E.CAPACITOR	10MF 16V	
	C137	OW05-03300-10	CHIP CAPACITOR	30PF 5%			C239	OW05-03561-03T	CHIP CAPACITOR	560PF N500 J560	
	C138	OW05-03103-06T	C.CAPACITOR	0.01MF K103			C240	OW05-02183-10	M.CAPACITOR	0.018MF 10%	
	C139	OW06-16227-00	E.CAPACITOR	220MF 16V			C241	OW05-03102-06T	C.CAPACITOR	1000PF K102	
	C141	OW05-03103-06T	C.CAPACITOR	0.01MF K103			C242	OW05-03102-06T	C.CAPACITOR	1000PF K102	
	C142	OW05-03101-06T	C.CAPACITOR	100PF N101J 500A			C243	OW06-16107-00	E.CAPACITOR	100MF 16V	
	C143	OW05-03104-03T	CHIP CAPACITOR	0.1MF 10%			C250	OW05-03223-06T	C.CAPACITOR	0.022MF K223	
	C144	OW05-03101-06T	C.CAPACITOR	100PF N101J 500A			C251	OW05-02102-10	M.CAPACITOR	0.001MF 10%	
	C145	OW06-50335-00	E.CAPACITOR	3.3MF 50V			C253	OW05-03223-06T	C.CAPACITOR	0.022MF K223	
	C146	OW05-03223-06T	C.CAPACITOR	0.022MF K223			C254	OW05-03223-06T	C.CAPACITOR	0.022MF K223	
	C147	OW06-16227-00	E.CAPACITOR	220MF 16V			C302	OW06-16227-00	E.CAPACITOR	220MF 16V	
	C148	OW05-03223-06T	C.CAPACITOR	0.022MF K223			C303	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C149	OW05-03103-06T	C.CAPACITOR	0.01MF K103			C304	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C150	OW05-03222-06F	CHIP CAPACITOR	2200PF 10E222K			C305	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C151	OW06-50105-00	E.CAPACITOR	1MF 50V			C306	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C152	OW05-03223-06T	C.CAPACITOR	0.022MF K223			C307	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C153	OW05-03223-06T	C.CAPACITOR	0.022MF K223			C308	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C154	OW06-16227-00	E.CAPACITOR	220MF 16V			C309	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C155	OW05-03300-10	CHIP CAPACITOR	30PF 5% SMD NPO			C310	OW06-50475-00	E.CAPACITOR	4.7MF 50V	
	C156 C157	OW05-03300-10	CHIP CAPACITOR	30PF 5% SMD NPO			C311	OW06-50225-00	E.CAPACITOR	2.2MF 50V	
	V10/	OW06-16227-00	E.CAPACITOR	220MF 16V			C312	OW06-50225-00	E.CAPACITOR	2.2MF 50V	1
	C158	OW05-03223-06T	C.CAPACITOR	0.022MF K223			C313	OW05-03470-03T	C.CAPACITOR	47PF N500 J470	

A 16mm			
C316	r Parts name	Remarks	Area
C317	C.CAPACITOR	0.022MF K223	
C318 OWG-503104-03T CHIP CARPACITOR IMF 10% C473 OWG-50105-00 E.CAPACITOR IMF 50V 10% C481 OWG-50105-00 E.CAPACITOR IMF 50V 10% C482 OWG-50105-00 E.CAPACITOR 4.7MF 50V C483 OWG-50105-00 E.CAPACITOR 4.7MF 50V C483 OWG-50105-00 C485 OWG-50		0.022MF K223	
C319	C.CAPACITOR	270PF N271J 500A	
G321	C.CAPACITOR	270PF N271J 500A	ļ
G321	C.CAPACITOR	0.1MF 10% 50V	
C322	C.CAPACITOR	0.1MF 10% 50V	
G324 GW05-03103-06T	C.CAPACITOR	0.1MF 10% 50V	
C324	C.CAPACITOR	0.1MF 10% 50V	
C325	C.CAPACITOR	0.1MF 10% 50V	
C326	DIODE	IN4148	
C327	DIODE	IN4148	
C328 OW06-16227-00 E.CAPACITOR 220MF 16V D105 OW02-00348-00 C339 OW06-1647-00 C.CAPACITOR 0.022MF 8223 D106 OW02-00201-00 C331 OW06-1617-00 E.CAPACITOR 10MF 16V D108 OW02-001448-00F C332 OW06-26107-00 E.CAPACITOR 100MF 25V D201 OW02-04148-00F C333 OW06-26107-00 E.CAPACITOR 100MF 25V D201 OW02-04148-00F C334 OW06-26107-00 E.CAPACITOR 220MF 16V D202 OW02-04148-00F C401 OW06-16106-02 E.CAPACITOR 220MF 16V D301 OW02-04148-00F C402 OW06-16106-02 E.CAPACITOR 220MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C405 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 10MF 16V D402 OW02-04148-00F C407 O	DIODE	IN4148	
C329 OW05-03223-06T C.CAPACITOR 0.02MF K223 □ D106 OW02-00201-00 C330 OW06-16170-00 E.CAPACITOR 47MF 16V □ D107 OW02-00201-00 C331 OW06-25107-00 E.CAPACITOR 100MF 16V □ D108 OW02-04148-00F C332 OW06-25107-00 E.CAPACITOR 0.1MF 10% □ D201 OW02-04148-00F C401 OW06-25228-00 E.CAPACITOR 2.20MF 25V □ D301 OW02-04148-00F C401 OW06-16227-00 E.CAPACITOR 2.20MF 16V □ D302 OW02-04148-00F C402 OW06-16106-02 E.CAPACITOR 10MF 16V □ D303 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V □ D401 OW02-04148-00F C405 OW06-16106-02 E.CAPACITOR 10MF 16V □ D402 D403 OW02-04148-00F C406 OW06-3010-06T C.CAPACITOR 100PF N101J 500A □ D406 OW02-04148-00F C407 OW06-5010-00 E.CAPACITOR 100PF N101J 500A □ C10 OW02-04148-00F<	DIODE	IN4148	
C330 OW06-16476-00 E.CAPACITOR 47MF 16V D107 OW02-00201-00 C331 OW06-16107-00 E.CAPACITOR 100MF 16V D108 OW02-04148-00F C333 OW06-05104-03T CHP CAPACITOR 100MF 25V D201 OW02-04148-00F C334 OW06-05104-03T CHIP CAPACITOR 220MF 16V D202 OW02-04148-00F C401 OW06-16106-02 E.CAPACITOR 220MF 16V D303 OW02-04148-00F C403 OW06-16106-02 E.CAPACITOR 220MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW06-16106-02 E.CAPACITOR 10MF 16V D403 OW02-04148-00F C407 OW06-03101-06T C.CAPACITOR 10MF 16V D402 OW02-04148-00F C409 OW06-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C410 OW06-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C	TUNING DIODE	SVC348-S	
C331 OW06-16107-00 E.CAPACITOR 100MF 16V D108 OW02-04148-00F C332 OW06-25107-00 E.CAPACITOR 100MF 25V D201 OW02-04148-00F C334 OW06-25228-00 E.CAPACITOR 0.1MF 10% D202 OW02-04148-00F C401 OW06-16227-00 E.CAPACITOR 220MF 16V D303 OW02-04148-00F C402 OW06-16106-02 E.CAPACITOR 22MF 16V D303 OW02-04148-00F C403 OW06-16106-02 E.CAPACITOR 22MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW06-03101-06T C.CAPACITOR 10MF 16V D403 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D409 OW02-04148-00F C410 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC102 OW03-03148-00F <t< td=""><td>TUNING DIODE</td><td>SVC201SPA</td><td></td></t<>	TUNING DIODE	SVC201SPA	
C332 OW06-25107-00 E.CAPACITOR 100MF 25V D201 OW02-04148-00F ∆ C333 OW05-03104-03T CHIP CAPACITOR 0.1MF 10% D202 OW02-04148-00F ∆ C334 OW06-25228-00 E.CAPACITOR 220MF 16V D301 OW02-04148-00F C401 OW06-16106-02 E.CAPACITOR 220MF 16V D303 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 22MF 16V D401 OW02-04148-00F C405 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D404 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C410 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C411 OW06-50105-00 E.CAPACITOR 100PF N101J 500A IC102	TUNING DIODE	SVC201SPA	
∆B C333 OW05-03104-03T CHIP CAPACITOR 0.1MF 10% D202 OW02-04148-00F C401 OW06-16227-00 E.CAPACITOR 220MF 28V D301 OW02-04148-00F C402 OW06-16227-00 E.CAPACITOR 220MF 16V D302 OW02-04148-00F C403 OW06-1616-02 E.CAPACITOR 10MF 16V D401 OW02-04148-00F C405 OW06-1616-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 10MF 16V D403 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D404 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C410 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C410 OW05-03101-06T C.CAPACITOR 100PF N101J 500A ICC10 OW03-03257-01 C411 OW05-03101-06T C.CAPACITOR 100PF N101J 500A ICC10 OW03-03257	DIODE	IN4148	
A C334 OW06-25228-00 E.CAPACITOR 2200MF 25V D301 OW02-04148-00F C401 OW06-16227-00 E.CAPACITOR 220MF 16V D302 OW02-04148-00F C402 OW06-16106-02 E.CAPACITOR 10MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C405 OW06-16106-02 E.CAPACITOR 10MF 16V D403 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 10MF 16V D404 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C410 OW06-5015-00F E.CAPACITOR 100PF N101J 500A IC102 OW03-032104-01 C411 OW06-50105-00 E.CAPACITOR 10MF 16V IC201 OW03-03130-00 C412 OW06-50105-00 E.CAPACITOR 10MF 16V IC201 OW03-03130-00	DIODE	IN4148	
C401 CW06-16227-00 E.CAPACITOR 220MF 16V D302 CW02-04148-00F C402 OW06-16106-02 E.CAPACITOR 10MF 16V D303 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 22MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 10MF 16V D403 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-04148-00F C410 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC102 OW03-03103-00 C411 OW06-50105-00 E.CAPACITOR 100PF 10% IC201 OW03-03130-00 C411 OW06-50105-00 E.CAPACITOR 100PF 10% IC301 OW03-03130-00		IN4148	
C402 OW06-16106-02 E.CAPACITOR 10MF 16V D303 OW02-04148-00F C403 OW06-16106-02 E.CAPACITOR 22MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D403 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 10MF 16V D403 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW08-02010-0F C410 OW06-50105-00 E.CAPACITOR 1MF 50V IC102 OW03-03133-00 C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-0303-03 C411 OW06-50105-00 E.CAPACITOR 100PF 10% IC301 IC301 OW03-03133-00 C412 OW06-5105-00 E.CAPACITOR 100PF 10% IC301 IC301 OW03-0313	DIODE	IN4148	
C403 OW06-16226-00 E.CAPACITOR 22MF 16V D401 OW02-04148-00F C404 OW06-16106-02 E.CAPACITOR 10MF 16V D402 OW02-04148-00F C406 OW06-03101-06T C.CAPACITOR 10MF 16V D403 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-022104-01 C411 OW06-50105-00 E.CAPACITOR 100PF N101J 500A IC101 OW03-02257-01 C411 OW06-50105-00 E.CAPACITOR 10PF 10% IC201 OW03-02357-01 C412 OW05-07101-10A C.CAPACITOR 10PF 10% IC202 OW03-03732-00 C413 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW06-30104-10 M.CAPACITOR 0.1MF 16V IC402 OW03-04558-03	DIODE	IN4148	
C404 OW06-16106-02 E.CAPACITOR 10MF 16V C405 OW06-16106-02 E.CAPACITOR 10MF 16V D403 OW02-04148-00F C406 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D404 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW02-04148-00F C410 OW06-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-02104-01 C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-031330-00 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC201 OW03-07312-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V M IC301 OW03-09422-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-094558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-0310378-20 C417 O	DIODE	IN4148	
C405 OW06-16106-02 E.CAPACITOR 10MF 16V C406 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D404 OW02-04148-00F C407 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-02104-01 C410 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-09257-01 C411 OW06-50105-00 E.CAPACITOR 100PF 10% IC202 OW03-07312-00 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-07312-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC402 OW03-07312-00 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-031878-03 C418 OW06-35228-00	DIODE	IN4148	ļ
C406 CW05-03101-06T C.CAPACITOR 100PF N101J 500A D404 CW02-04148-00F C407 CW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 OW02-04148-00F C408 CW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C410 OW06-50105-00 E.CAPACITOR 100PF N101J 500A IC102 OW03-09257-01 C411 OW06-50105-00 E.CAPACITOR 10MF 50V IC201 OW03-09257-01 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC201 OW03-07312-00 C413 OW05-07101-10A C.CAPACITOR 10MF 16V IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-09422-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC402 OW03-09458-03 C416 OW05-02104-10 M.CAPACITOR 220MF 35V IC402 OW03-09458-03 A C418 OW06-35228-00 E.CAPACITOR 220MF 25V IC403 OW03-09458-03	DIODE	IN4148	
C407 CW05-03101-06T C.CAPACITOR 100PF N101J 500A D406 CW02-04148-00F C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW06-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-02104-01 C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-02130-00 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C413 OW05-07101-10A C.CAPACITOR 100PF 10% IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-09422-00 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 220MF 35V IC402 OW03-04558-03 A C418 OW06-35228-00 E.CAPACITOR 220MF 35V IC101 OW08-9439-70 C421 OW06-60225-00 E.CAPACITOR 220MF 25V 20% IC102 OW08-9439-70	DIODE	IN4148	
C408 OW05-03101-06T C.CAPACITOR 100PF N101J 500A D408 OW02-04148-00F C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-02104-01 C410 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-09257-01 C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-07312-00 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC301 OW03-09422-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-09422-00 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-04558-03 C417 OW06-02104-10 M.CAPACITOR 0.1MF 10% IC403 OW07-2500-60k A C419 OW06-35228-00 E.CAPACITOR 220MF 35V J456 OW07-2500-60k C421 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-8436-70 C421	DIODE	IN4148	
C409 OW05-03101-06T C.CAPACITOR 100PF N101J 500A IC101 OW03-02104-01 C410 OW06-50105-00 E.CAPACITOR 1MF 50V IC102 OW03-0257-01 C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-01330-00 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C413 OW05-07101-10A C.CAPACITOR 100PF 10% IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-09422-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-04558-03 C417 OW06-35228-00 E.CAPACITOR 220MF 35V J456 OW07-25000-60k C420 OW06-16227-00 E.CAPACITOR 220MF 35V L101 OW08-86436-70 C421 OW06-5025-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422	DIODE	IN4148	
C410 OW06-50105-00 E.CAPACITOR 1MF 50V IC102 OW03-09257-01 C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-09257-01 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C413 OW05-07101-10A C.CAPACITOR 100PF 10% IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-09452-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-04558-03 A C418 OW06-35228-00 E.CAPACITOR 220MF 35V J456 OW07-25000-60k C421 OW06-35228-00 E.CAPACITOR 220MF 35V L101 OW08-86436-70 C421 OW06-16227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00 C423	DIODE	IN4148	
C411 OW06-50105-00 E.CAPACITOR 1MF 50V IC201 OW03-01330-00 C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C413 OW05-07101-10A C.CAPACITOR 100PF 10% IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC302 OW03-09422-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-04558-03 C417 OW05-02104-10 M.CAPACITOR 2200MF 35V IC403 OW03-04558-03 A C418 OW06-35228-00 E.CAPACITOR 2200MF 35V L101 OW08-01014-02 C420 OW06-18227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-70101-00 C	IC	TA2104BN	ļ
C412 OW05-07101-10A C.CAPACITOR 100PF 10% IC202 OW03-07312-00 C413 OW05-07101-10A C.CAPACITOR 100PF 10% IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC302 OW03-07812-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-04558-03 C417 OW06-035228-00 E.CAPACITOR 2200MF 35V IC403 OW03-04558-03 A C418 OW06-35228-00 E.CAPACITOR 2200MF 35V IC101 OW08-0558-03 C420 OW06-35227-00 E.CAPACITOR 220MF 25V 20% IC102 OW08-86436-70 C421 OW06-50225-00 E.CAPACITOR 2.2MF 50V IC104 OW09-25050-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V IC104 OW09-27010-00 C423 OW06-50225-00 E.CAPACITOR 100PF N101J 500A IC20 IC009-40474-00V C424	IC	TC9257F	
C413 OW05-07101-10A C.CAPACITOR 100PF 10% IC301 OW03-09422-00 C414 OW06-16106-00 E.CAPACITOR 10MF 16V IC302 OW03-07812-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-01876-00 C417 OW06-35228-00 E.CAPACITOR 220MF 35V J456 OW07-25000-60k Å C418 OW06-35228-00 E.CAPACITOR 220MF 35V L101 OW08-01014-02 C420 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-50225-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00V C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-70101-00	IC	UPC1330HA	
C414 OW06-16106-00 E.CAPACITOR 10MF 16V ▲ IC302 OW03-07812-00 C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-07812-00 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-01876-00 C417 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC403 OW03-04558-03 Å C418 OW06-35228-00 E.CAPACITOR 2200MF 35V L101 OW08-04558-03 C420 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-000 C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V <t< td=""><td>IC</td><td>AN7312</td><td></td></t<>	IC	AN7312	
C415 OW06-16106-00 E.CAPACITOR 10MF 16V IC401 OW03-04558-03 C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-01876-00 C417 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC403 OW03-04558-03 M C418 OW06-35228-00 E.CAPACITOR 2200MF 35V L101 OW08-01014-02 C420 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00V C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L105 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW06-0723-00	IC	TC9422F	
C416 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC402 OW03-01876-00 C417 OW05-02104-10 M.CAPACITOR 0.1MF 10% IC403 OW03-04558-03 M C418 OW06-35228-00 E.CAPACITOR 2200MF 35V J456 OW07-25000-60K C419 OW06-35228-00 E.CAPACITOR 220MF 16V L101 OW08-01014-02 C420 OW06-16227-00 E.CAPACITOR 220MF 25V 20% L103 OW08-86436-70 C421 OW06-50225-00 E.CAPACITOR 22MF 50V L104 OW09-25050-00V C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00V C423 OW06-50225-00 E.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-40474-00V C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16	IC	NJM7812A	ļ
C417 CW05-02104-10 M.CAPACITOR 0.1MF 10% IC403 CW03-04558-03 ⚠ C418 CW06-35228-00 E.CAPACITOR 2200MF 35V J456 CW07-25000-60M ⚠ C419 CW06-35228-00 E.CAPACITOR 2200MF 16V L101 CW08-01014-02 C420 CW06-16227-00 E.CAPACITOR 220MF 25V 20% L102 CW08-86436-70 C421 CW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 CW09-45045-00 C422 CW06-50225-00 E.CAPACITOR 2.2MF 50V L104 CW09-25050-00 C423 CW06-50225-00 E.CAPACITOR 2.2MF 50V L105 CW09-70101-00 C424 CW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 CW09-70101-00 C425 CW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 CW09-40474-00V C427 CW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 CW08-07163-00 C432 CW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 <t< td=""><td>IC</td><td>BA4558N</td><td></td></t<>	IC	BA4558N	
⚠ C418 OW06-35228-00 E.CAPACITOR 2200MF 35V J456 OW07-25000-60M ⚠ C419 OW06-35228-00 E.CAPACITOR 2200MF 35V L101 OW08-01014-02 C420 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00 C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L105 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101	IC	LM1876TF	
▲ C419 OW06-35228-00 E.CAPACITOR 2200MF 35V L101 OW08-01014-02 C420 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00 C423 OW06-50225-00 E.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C434 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 O	IC	BA4558N	
C420 OW06-16227-00 E.CAPACITOR 220MF 16V L102 OW08-86436-70 C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00 C423 OW06-50225-00 E.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-40474-00 C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00 C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C434 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16	CARBON RESISTOR	0 1/16 000JTP	
C421 OW06-25227-00 E.CAPACITOR 220MF 25V 20% L103 OW09-45045-00 C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00V C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L105 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C434 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 <	IFT	1A1014N	
C422 OW06-50225-00 E.CAPACITOR 2.2MF 50V L104 OW09-25050-00 C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L105 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-40474-00V C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C434 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.1MF 10% 50V Q105 OW01-00945-16	AM ANT COIL	OA10-864367	
C423 OW06-50225-00 E.CAPACITOR 2.2MF 50V L105 OW09-70101-00 C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-40474-00V C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00945-16 C451 OW05-00104-00 C.CAPACITOR 2.2MF 50V Q106 OW01-00945-16	FM COIL	D4.5MM 0.8MM	
C424 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L106 OW09-70101-00 C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-40474-00V C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 2.2MF 50V Q106 OW01-00945-16 C452 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	FM COIL	D5MM 0.8MM	
C425 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L201 OW09-40474-00V C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16 <td>INDUCTOR</td> <td>10MH</td> <td></td>	INDUCTOR	10MH	
C426 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L202 OW09-40474-00V C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-00945-16 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	INDUCTOR	10MH	
C427 OW05-03101-06T C.CAPACITOR 100PF N101J 500A L203 OW08-07163-00 C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16		47MH	
C432 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q101 OW01-00945-16 C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	CHOKE COIL	47MH	
C433 OW05-03101-06T C.CAPACITOR 100PF N101J 500A Q102 OW01-00945-16 C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	CHOKE COIL	7L1A63N LIK HANG	
C434 OW06-25227-00 E.CAPACITOR 220MF 25V 20% Q103 OW01-00945-16 C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	TRANSISTOR	2SC945P	
C435 OW06-35477-00 E.CAPACITOR 470MF 35V Q104 OW01-00945-16 C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	TRANSISTOR	2SC945P	
C450 OW05-07223-82A C.CAPACITOR 0.022MF Q105 OW01-00733-16 C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	TRANSISTOR	2SC945P	
C451 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q106 OW01-00945-16 C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	TRANSISTOR	2SC945P	
C452 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q107 OW01-09018-07 C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-09945-16	TRANSISTOR	2SA733P	
C453 OW06-50225-02 E.CAPACITOR 2.2MF 50V Q108 OW01-00945-16	TRANSISTOR	2SC945P	
	TRANSISTOR	9018G	
1 1 1 1 1 1 1 1 1	TRANSISTOR	2SC945P	
C454 OW06-25476-00 E.CAPACITOR 47MF 25V Q109 OW01-00945-16	TRANSISTOR	2SC945P	
C455 OW05-03223-06T C.CAPACITOR 0.022MF K223 Q110 OW01-00945-16	TRANSISTOR	2SC945P	
C456 OW06-35477-00 E.CAPACITOR 470MF 35V Q111 OW01-00945-16	TRANSISTOR	2SC945P	
C457 OW06-50225-00 E.CAPACITOR 2.2MF 50V Q116 OW01-00945-16	TRANSISTOR	2SC945P	
C458 OW06-25476-00 E.CAPACITOR 47MF 25V Q201 OW01-08050-04S	TRANSISTOR	8050D	
C459 OW05-00104-00 C.CAPACITOR 0.1MF 10% 50V Q202 OW01-00945-16	TRANSISTOR	2SC945P	
C463 OW05-03102-06T C.CAPACITOR 1000PF K102 Q203 OW01-00945-16	TRANSISTOR	2SC945P	
C464 OW05-03102-06T C.CAPACITOR 1000PF K102 Q204 OW01-00945-16	TRANSISTOR	2SC945P	<u> </u>

	_1001110	al parts list (Maii	i boaru)	Block No. 01							
Λ	Item	Parts number	Parts name	Remarks	Area	Λ	Item	Parts number	Parts name	Remarks	Area
	Q205	OW01-00945-16	TRANSISTOR	2SC945P			R140	OW07-25561-60K	CARBON RESISTOR	560 1/16 561JTP	
	Q206	OW01-08050-04S	TRANSISTOR	8050D			R141	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	Q207	OW01-00945-16	TRANSISTOR	2SC945P			R145	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q208	OW01-00945-16	TRANSISTOR	2SC945P			R146	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
İ	Q209	OW01-00945-16	TRANSISTOR	2SC945P	İ	İ	R147	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	ĺ
	Q210	OW01-00945-16	TRANSISTOR	2SC945P			R148	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	Q211	OW01-00733-16	TRANSISTOR	2SA733P			R149	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	Q212	OW01-00945-16	TRANSISTOR	2SC945P			R150	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	Q213	OW01-00945-16	TRANSISTOR	2SC945P			R151	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q214	OW01-00945-16	TRANSISTOR	2SC945P			R160	OW07-25183-60K	CARBON RESISTOR	18K 1/16 183JTP	
	Q215	OW01-00945-16	TRANSISTOR	2SC945P			R161	OW07-25183-60K	CARBON RESISTOR	18K 1/16 183JTP	
	Q301	OW01-00945-16	TRANSISTOR	2SC945P			R163	OW07-15472-50T	CARBON RESISTOR	4.7K 1/8W 5%	
	Q301	OW01-00945-16	TRANSISTOR	2SC945P			R164	OW07-15472-501 OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	Q302	OW01-00943-18					R165		CARBON RESISTOR		
	Q303		TRANSISTOR TRANSISTOR	2SC1383R 2SC945P			R201	OW07-25102-60K OW07-25183-60K	CARBON RESISTOR	1K 1/16 102JTP	
	Q304 Q305	OW01-00945-16								18K 1/16 183JTP	
		OW01-01240-00	TRANSISTOR	2SB1240Q			R202	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP	
	Q401	OW01-08050-04S	TRANSISTOR	8050D			R203	OW07-25333-60K	CARBON RESISTOR	33K 1/16 333JTP	
	Q402	OW01-08050-04S	TRANSISTOR	8050D			R204	OW07-25180-60K	CARBON RESISTOR	18 1/16 180JTP	
	Q403	OW01-08050-04S	TRANSISTOR	8050D			R205	OW07-25333-60K	CARBON RESISTOR	33K 1/16 333JTP	
	Q404	OW01-08050-04S	TRANSISTOR	8050D			R206	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	Q405	OW01-00733-16	TRANSISTOR	2SA733P			R207	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	Q406	OW01-00945-16	TRANSISTOR	2SC945P			R208	OW07-25153-60K	CARBON RESISTOR	15K 1/16 153JTP	
ļ	Q407	OW01-00945-16	TRANSISTOR	2SC945P		ļ	R209	OW07-25684-60K	CARBON RESISTOR	680K 1/16 684JTP	ļ
	Q410	OW01-08050-04S	TRANSISTOR	8050D			R210	OW07-25153-60K	CARBON RESISTOR	15K 1/16 153JTP	
	Q411	OW01-08550-04B	TRANSISTOR	8550D			R211	OW07-25333-60K	CARBON RESISTOR	33K 1/16 333JTP	
	R101	OW07-15274-50T	CARBON RESISTOR	270K 1/8W 5%			R212	OW07-25823-60K	CARBON RESISTOR	82K 1/16 823JTP	
	R102	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP			R213	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R103	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP			R214	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
ļ	R104	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP			R215	OW07-25391-60K	CARBON RESISTOR	390 1/16 391JTP	ļ
	R105	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%			R216	OW07-25683-60K	CARBON RESISTOR	68K 1/16 683JTP	
	R106	OW07-25202-60K	CARBON RESISTOR	2K 1/16 202JTP			R217	OW07-15010-50T	CARBON RESISTOR	1 1/8W 5%	
	R107	OW07-15220-50T	CARBON RESISTOR	22 1/8W 5%			R218	OW07-25273-60K	CARBON RESISTOR	27K 1/16 273JTP	
	R108	OW07-15101-50T	CARBON RESISTOR	100 1/8W 5%			R219	OW07-25273-60K	CARBON RESISTOR	27K 1/16 273JTP	
ļ	R109	OW07-15203-50T	CARBON RESISTOR	20K 1/8W 5%		Ţ	R220	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	R110	OW07-25332-60K	CARBON RESISTOR	3.3K 1/16 332JTP			R221	OW07-25221-60K	CARBON RESISTOR	220 1/16 221JTP	
	R111	OW07-25331-60K	CARBON RESISTOR	330 1/8W			R222	OW07-25183-60K	CARBON RESISTOR	18K 1/16 183JTP	
	R113	OW07-25392-60K	CARBON RESISTOR	3.9K 1/16 392JTP			R223	OW07-25333-60K	CARBON RESISTOR	33K 1/16 333JTP	
	R114	OW07-25183-60K	CARBON RESISTOR	18K 1/16 183JTP			R224	OW07-25331-60K	CARBON RESISTOR	330 1/8W	
	R115	OW07-25392-60K	CARBON RESISTOR	3.9K 1/16 392JTP			R225	OW07-15101-26T	CARBON RESISTOR	100 1/4W 5%	
	R116	OW07-25183-60K	CARBON RESISTOR	18K 1/16 183JTP			R226	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP	
	R117	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP			R227	OW07-25180-60K	CARBON RESISTOR	18 1/16 180JTP	
	R118	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP			R228	OW07-15472-50T	CARBON RESISTOR	4.7K 1/8W 5%	
	R119	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP			R229	OW07-15153-50T	CARBON RESISTOR	15K 1/8W 5%	
	R120	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP			R231	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R121	OW07-15472-50T	CARBON RESISTOR	4.7K 1/8W 5%			R232	OW07-25333-60K	CARBON RESISTOR	33K 1/16 333JTP	
	R122	OW07-15221-50T	CARBON RESISTOR	220 1/8W 5%			R233	OW07-15221-26T	CARBON RESISTOR	220 1/4W	
	R123	OW07-15221-501 OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP			R234	OW07-15221-201	CARBON RESISTOR	15K 1/16 153JTP	
	R124	OW07-25103-60K	CARBON RESISTOR	1K 1/16 102JTP			R235	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP	
	R125	OW07-25102-60K OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R236	OW07-25102-60K OW07-25103-60K	CARBON RESISTOR	10K 1/16 102JTP	
	R126	OW07-15103-501 OW07-25820-60K	CARBON RESISTOR	82 1/16 820JTP			R237	OW07-25103-60K OW07-25823-60K	CARBON RESISTOR	82K 1/16 823JTP	
	R127	OW07-25332-60K	CARBON RESISTOR	3.3K 1/16 332JTP			R238	OW07-25391-60K	CARBON RESISTOR	390 1/16 391JTP	
	R128	OW07-25563-60K	CARBON RESISTOR	56K 1/16 563JTP			R239	OW07-25683-60K	CARBON RESISTOR	68K 1/16 683JTP	
	R129	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP			R240	OW07-25047-60K	CARBON RESISTOR	4.7 1/16 4R7JTP	
	R130	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP			R241	OW07-25273-60K	CARBON RESISTOR	27K 1/16 273JTP	
	R131	OW07-25105-60K	CARBON RESISTOR	1M 1/16 105JTP			R242	OW07-25100-60K	CARBON RESISTOR	10 1/16 100JTP	
	R132	OW07-15101-50T	CARBON RESISTOR	100 1/8W 5%			R243	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R133	OW07-15221-50T	CARBON RESISTOR	220 1/8W 5%			R244	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R134	OW07-25152-60K	CARBON RESISTOR	1.5K 1/16 152JTP			R245	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R135	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP			R246	OW07-25333-60K	CARBON RESISTOR	33K 1/16 33JTP	
	R136	OW07-15221-50T	CARBON RESISTOR	220 1/8W 5%			R247	OW07-25103-60K	CARBON RESISTOR	10K 1/16 10JTP	
	R137	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP			R248	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP	
	R138	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP			R249	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R139	OW07-25152-60K	CARBON RESISTOR	1.5K 1/16 152JTP			R250	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	

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	-iecti ic	al parts list (Maii	i board)	Block No. 01	
Λ	Item	Parts number	Parts name	Remarks	Area
	R251	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R252	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R255	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R256	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
	R257	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R258	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R301	OW07-25104-0010 OW07-15680-50T	CARBON RESISTOR	68 1/8W 5%	
				470 1/16 471JTP	
	R302	OW07-25471-60K	CARBON RESISTOR		
	R303	OW07-25394-60K	CARBON RESISTOR	390K 1/16 394JTP	
	R304	OW07-25681-60K	CARBON RESISTOR	680 1/16 681JTP	
	R307	OW07-25471-60K	CARBON RESISTOR	470 1/16 471JTP	
	R308	OW07-25394-60K	CARBON RESISTOR	390K 1/16 384JTP	
	R309	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R310	OW07-25681-60K	CARBON RESISTOR	680 1/16 681JTP	
	R312	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R313	OW07-25471-60K	CARBON RESISTOR	470 1/16 471JTP	
	R314	OW07-15100-26T	CARBON RESISTOR	10 1/4W 5%	
	R315	OW07-15561-50T	CARBON RESISTOR	560 1/8W 5%	
	R316	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R317	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R318	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
	R319	OW07-25102-60K	CARBON RESISTOR	1K 1/16 102JTP	
	R351	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
	R352	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
	R353	OW07-25822-60K	CARBON RESISTOR	8.2K 1/16 822JTP	
	R354	OW07-25822-60K	CARBON RESISTOR	8.2K 1/16 822JTP	
	R401	OW07-15682-26T	CARBON RESISTOR	6.8K 1/4W 5%	
	R402	OW07-25153-60K	CARBON RESISTOR	15K 1/16 153JTP	
	R403	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	
	R404	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R405	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R406	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R407	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R408	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R409	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R410	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R411	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R412	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	
	R413	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	
	R414	OW07-25563-60K	CARBON RESISTOR	56K 1/16 563JTP	
	R415	OW07-25563-60K	CARBON RESISTOR	56K 1/16 563JTP	
	R416	OW07-15102-26T	CARBON RESISTOR	1K 1/4W 5%	
	R417	OW07-15102-26T	CARBON RESISTOR	1K 1/4W 5%	
	R418	OW07-15563-50T	CARBON RESISTOR	56K 1/8W 5%	
	R419	OW07-15563-50T	CARBON RESISTOR	56K 1/8W 5%	
	R420	OW07-15223-00	CARBON RESISTOR	22K 1/4W 5%	
	R421	OW07-15223-00	CARBON RESISTOR	22K 1/4W 5%	
	R422	OW07-15102-26T	CARBON RESISTOR	1K 1/4W 5%	
	R423	OW07-15102-26T	CARBON RESISTOR	1K 1/4W 5%	
	R424	OW07-05047-10	CARBON RESISTOR	4.7 1/2W	
	R425	OW07-05047-10	CARBON RESISTOR	4.7 1/2W	
	R426	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R428	OW07-15682-26T	CARBON RESISTOR	6.8K 1/4W 5%	
	R429	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	
	R430	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R431	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R432	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R433	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R434	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R435	OW07-25472-60K	CARBON RESISTOR	4.7K 1/16 472JTP	
	R436	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
	R437	OW07-25473-60K	CARBON RESISTOR	47K 1/16 473JTP	
	R438	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	
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Λ	Item	Parts number	Parts name	Remarks	Area
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	R439	OW07-25223-60K	CARBON RESISTOR	22K 1/16 223JTP	
	R440	OW07-25152-60K	CARBON RESISTOR	1.5K 1/16 152JTP	
	R441	OW07-25152-60K	CARBON RESISTOR	1.5K 1/16 152JTP	
ļ	R442	OW07-25221-60K	CARBON RESISTOR	220 1/16 221JTP	
	R443	OW07-25221-60K	CARBON RESISTOR	220 1/16 221JTP	
	R446	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R447	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R448	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R449	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R450	OW07-15104-50T	CARBON RESISTOR	100K 1/8W 5%	
	R451	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R458	OW07-15181-01T	CARBON RESISTOR	180 1/4W 5%	
	R459	OW07-25122-60K	CARBON RESISTOR	1.2K 1/16 122JTP	
	R463	OW07-15181-01T	CARBON RESISTOR	180 1/4W 5%	
	R464	OW07-25122-60K	CARBON RESISTOR	1.2K 1/16 122JTP	
	R482	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R483	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R484	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	R485	OW07-25104-60K	CARBON RESISTOR	100K 1/16 104JTP	
	R486	OW07-25103-60K	CARBON RESISTOR	10K 1/16 103JTP	
	TC101	OW05-08100-03	TRIM CAPACITOR	10PF 3PIN	
	TC102	OW05-08100-03	TRIM CAPACITOR	10PF 3PIN	
	T101	OW08-00332-24C	IFT YEL	10MM 810017 COILS	
	X101	OW04-07200-05	CRYSTAL	7.2MHZ HC-49U 30PPM	
	Z101	OW02-50100-00	ZENER DIODE	10V 0.5W	
	Z301	OW02-50091-00	ZENER DIODE	9.1V 0.5W	
Λ	Z401	OW02-50180-00	ZENER DIODE	18V 0.5W	
Δ	Z402	OW02-50180-00	ZENER DIODE	18V 0.5W	

■ Electrical parts list (CD&MCU board)

		al parts list (CD8	kilioo boara)	Block No. 02							
Λ	Item	Parts number	Parts name	Remarks	Area	Λ	Item	Parts number	Parts name	Remarks	Area
	CN601	OW20-21100-00	CONNECTOR	P=2MM 10PIN			C726	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	CN602	OW20-21080-00	CONNECTOR	P=2MM 8PIN			C727	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	CN603	OW20-21030-00	CONNECTOR	P=2MM 3PIN			C728	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	CN604	OW20-41092-43	CONNECTOR	P=2MM 9PIN			C729	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	CN607	OW20-11060-00	CONNECTOR	P=2MM 6PIN	İ	İ	C730	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	Ì
	CN608	OW20-21030-00	CONNECTOR	P=2MM 3PIN			C731	OW05-07473-82B	C.CAPACITOR	0.047MF	
	CN609	OW20-42032-13	CONNECTOR	P=2.5MM 3PIN			C732	OW05-07473-82B	C.CAPACITOR	0.047MF	
	CN701	OW20-12020-00	CONNECTOR	P=2.5MM 2PIN			C733	OW06-10476-00S	E.CAPACITOR	47MF 10V	
	CN702	OW20-21020-00	CONNECTOR	P=2MM 2PIN			C736	OW05-07153-00	C.CAPACITOR	0.015MF	
	CN702	OW20-21060-00	CONNECTOR	P=2MM 6PIN			C737	OW05-07103-20A	C.CAPACITOR	0.01MF	
	CN704	OW20-80160-00I	CONNECTOR	P=1MM 16PIN			C738	OW05-07103-20A	C.CAPACITOR	47PF	
			E.CAPACITOR								
	C601	OW06-10477-00		470MF 10V			C739	OW05-07272-00	C.CAPACITOR	0.0027MF 50V 10% 47MF 10V	
	C602	OW06-10108-00	E.CAPACITOR	1000MF 10V			C740	OW06-10476-00S	E.CAPACITOR		
	C602A	OW05-07104-82B	C.CAPACITOR	0.1MF 50V			C741	OW05-02472-10	M.CAPACITOR	0.0047MF 10%	
	C603	OW06-10227-00S	E.CAPACITOR	220MF 10V			C742	OW05-07471-10A	C.CAPACITOR	470PF	
	C605	OW05-07104-82B	C.CAPACITOR	0.1MF 50V			C743	OW05-07471-10A	C.CAPACITOR	470PF	
	C606	OW05-07250-06T	C.CAPACITOR	25PF			C744	OW05-07473-82B	C.CAPACITOR	0.047MF	
	C607	OW05-07250-06T	C.CAPACITOR	25PF			C746	OW05-02472-10	M.CAPACITOR	0.0047MF 10%	
	C608	OW05-07250-06T	C.CAPACITOR	25PF			C747	OW06-10476-02	E.CAPACITOR	47MF 10V	
	C609	OW05-07250-06T	C.CAPACITOR	25PF			C748	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	C610	OW06-10107-00S	E.CAPACITOR	100MF 10V			C749	OW05-07473-82B	C.CAPACITOR	0.047MF	
	C611	OW06-10107-00S	E.CAPACITOR	100MF 10V			C753	OW06-10227-02	E.CAPACITOR	220MF 10V	
	C612	OW06-10476-00S	E.CAPACITOR	47MF 10V		ļ	C754	OW06-10227-02	E.CAPACITOR	220MF 10V	ļ
	C613	OW06-10107-00S	E.CAPACITOR	100MF 10V			C761	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	C614	OW05-07104-82B	C.CAPACITOR	0.1MF 50V			C762	OW06-10106-02	E.CAPACITOR	10MF 10V	
	C615	OW06-50225-02	E.CAPACITOR	2.2MF 50V			C763	OW06-50225-02	E.CAPACITOR	2.2MF 50V	
	C616	OW05-07271-10T	C.CAPACITOR	270PF 10%			C765	OW05-07103-20A	C.CAPACITOR	0.01MF	
	C617	OW05-07561-05	C.CAPACITOR	560PF NPO 5%			C766	OW05-07103-20A	C.CAPACITOR	0.01MF	
	C618	OW06-10107-00S	E.CAPACITOR	100MF 10V			C771	OW05-00560-06	C.CAPACITOR	56PF 5%	
	C619	OW05-07330-06T	C.CAPACITOR	33PF			C772	OW05-07224-00	C.CAPACITOR	0.22MF	
	C620	OW05-07330-06T	C.CAPACITOR	33PF			C773	OW05-07224-00	C.CAPACITOR	0.22MF	
	C621	OW06-10107-00S	E.CAPACITOR	100MF 10V			C774	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	C622	OW06-10106-02	E.CAPACITOR	10MF 10V			C775	OW05-07082-10A	C.CAPACITOR	8.2PF	
	C630	OW05-07102-10A	C.CAPACITOR	1000PF			C776	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	C641	OW06-10107-02	E.CAPACITOR	100MF 10V	İ	İ	C777	OW06-10476-02	E.CAPACITOR	47MF 10V	Ì
	C642	OW06-10476-02	E.CAPACITOR	47MF 10V			C778	OW05-07104-82B	C.CAPACITOR	0.1MF 50V	
	C643	OW06-16226-02	E.CAPACITOR	22MF 16V			C779	OW06-10107-02	E.CAPACITOR	100MF 10V	
	C646	OW05-07104-82B	C.CAPACITOR	0.1MF 50V			C780	OW06-10476-02	E.CAPACITOR	47MF 10V	
	C648	OW05-07104-82B	C.CAPACITOR	0.022MF			C781	OW05-07473-82B	C.CAPACITOR	0.047MF	
	C701	OW05-07223-62A OW05-07103-20A	C.CAPACITOR	0.01MF			C790	OW06-16228-00	E.CAPACITOR	2200MF 16V	
								OW05-07104-82B			
	C702	OW05-07104-82B	C.CAPACITOR	0.1MF 50V			C791		C.CAPACITOR	0.1MF 50V	
	C703	OW05-07223-82A	C.CAPACITOR	0.022MF			D601	OW02-04148-00R	DIODE	IN4148	
	C704	OW06-10227-00S	E.CAPACITOR	220MF 10V			D602	OW02-04148-00R	DIODE	IN4148	
	C705	OW06-10477-00	E.CAPACITOR	470MF 10V			D603	OW02-04148-00R	DIODE	IN4148	
	C706	OW06-10106-00	E.CAPACITOR	10MF 10V			D604	OW02-04148-00R	DIODE	IN4148	
	C707	OW06-10106-00	E.CAPACITOR	10MF 10V			D605	OW02-50091-00	ZENER DIODE	9.1V 0.5W	
	C708	OW05-07222-82A	C.CAPACITOR	2200PF			D606	OW02-50062-00	ZENER DIODE	6.2V 0.5W	
	C709	OW06-10476-02	E.CAPACITOR	47MF 10V			D608	OW02-04148-00R	DIODE	IN4148	
	C710	OW06-10226-02	E.CAPACITOR	22MF 10V			D609	OW02-50062-00	ZENER DIODE	6.2V 0.5W	
	C711	OW05-07222-82A	C.CAPACITOR	2200PF			D610	OW02-04001-00	DIODE	1N4001	
	C712	OW05-07473-82B	C.CAPACITOR	0.047MF			D611	OW02-04148-00R	DIODE	IN4148	
	C713	OW06-10476-00S	E.CAPACITOR	47MF 10V			D702	OW02-50056-00	ZENER DIODE	5.6V 0.5W	
	C714	OW06-10105-02	E.CAPACITOR	1MF 10V			D703	OW02-50062-00	ZENER DIODE	6.2V 0.5W	
	C716	OW05-07473-82B	C.CAPACITOR	0.047MF			D704	OW02-04148-00R	DIODE	IN4148	
	C717	OW05-07150-06T	C.CAPACITOR	15PF			D705	OW02-04148-00R	DIODE	IN4148	
	C718	OW05-07150-06T	C.CAPACITOR	15PF			IC601	OW03-87261-15	IC	TMP87EP26F-1J15	
	C719	OW06-10476-00S	E.CAPACITOR	47MF 10V			IC602	OW03-01924-00	IC	BU1924F	
	C720	OW05-07473-82B	C.CAPACITOR	0.047MF			IC701	OW03-09462-00	IC	TC9462F	
	C721	OW05-07473-82B	C.CAPACITOR	0.047MF			IC702	OW03-07291-00 T	IC	TA7291S	
	C722	OW06-10476-00S	E.CAPACITOR	47MF 10V			IC703	OW03-02092-00 T	IC	TA2092N	
	C723	OW06-10476-00S	E.CAPACITOR	47MF 10V			IC704	OW03-02153-00 T	IC	TA2153FN	
		1	1	1		1				i	
	C724	OW06-16337-00	E.CAPACITOR	330MF 16V	l l		L601	OW09-70102-00C	INDUCTOR	100MH	

■ Electrical parts list (CD&MCU board)

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⚠	Item	Parts number	Parts name	Remarks	Area	Λ	Item	Parts number	Parts name	Remarks	Area
	L603	OW09-70102-00C	INDUCTOR	100MH			R648	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	L604	OW08-01122-00	FERRITE BEAD	RH03509ST-B246			R649	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	L605	OW09-70102-00C	INDUCTOR	100MH			R650	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
. !	L606	OW09-70102-00C	INDUCTOR	100MH		ļ	R651	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	L607	OW08-01122-00	FERRITE BEAD	RH03509ST-B246			R652	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	L608	OW08-01122-00	FERRITE BEAD	RH03509ST-B246			R653	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	L701	OW08-01122-00	FERRITE BEAD	RH03509ST-B246			R701	OW07-15104-50T	CARBON RESISTOR	100K 1/8W 5%	
	L702	OW08-01122-00	FERRITE BEAD	RH03509ST-B246			R702	OW07-15104-50T	CARBON RESISTOR	100K 1/8W 5%	
	L703	OW09-70101-00	INDUCTOR	10MH			R703	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	L704	OW09-70101-00	INDUCTOR	10MH			R704	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	L705	OW09-70102-00C	INDUCTOR	100MH			R705	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q601	OW01-00945-16	TRANSISTOR	2SC945P			R706	OW07-15271-50T	CARBON RESISTOR	270 1/8W 5%	
	Q603	OW01-00882-00	TRANSISTOR	2SD882Q			R707	OW07-15271-50T	CARBON RESISTOR	270 1/8W 5%	
	Q604	OW01-01240-00	TRANSISTOR	2SB1240Q			R708	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q605	OW01-00945-16	TRANSISTOR	2SC945P			R709	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q606	OW01-08050-04S	TRANSISTOR	8050D			R710	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q607	OW01-01383-18	TRANSISTOR	2SC1383R			R711	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q610	OW01-08050-04S	TRANSISTOR	8050D			R712	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q701	OW01-00945-16	TRANSISTOR	2SC945P			R713	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q702	OW01-00945-16	TRANSISTOR	2SC945P			R714	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q703	OW01-00733-16	TRANSISTOR	2SA733P			R715	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	Q704	OW01-01383-18	TRANSISTOR	2SC1383R			R716	OW07-15561-50T	CARBON RESISTOR	560 1/8W 5%	
	Q705	OW01-00733-16	TRANSISTOR	2SA733P			R717	OW07-15100-50T	CARBON RESISTOR	10 1/8W 5%	
	Q707	OW01-00733-16	TRANSISTOR	2SA733P		Î	R721	OW07-15332-50T	CARBON RESISTOR	3.3K 1/8W 5%	
	Q708	OW01-00945-16	TRANSISTOR	2SC945P			R722	OW07-15332-50T	CARBON RESISTOR	3.3K 1/8W 5%	
	Q709	OW01-00945-16	TRANSISTOR	2SC945P			R723	OW07-15332-50T	CARBON RESISTOR	3.3K 1/8W 5%	
	Q791	OW01-01240-00	TRANSISTOR	2SB1240Q			R724	OW07-15332-50T	CARBON RESISTOR	3.3K 1/8W 5%	
	Q792	OW01-00945-16	TRANSISTOR	2SC945P			R725	OW07-15332-50T	CARBON RESISTOR	3.3K 1/8W 5%	
	R602	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R726	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
İ	R603	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%		Î	R727	OW07-15332-50T	CARBON RESISTOR	3.3K 1/8W 5%	Ì
	R604	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R729	OW07-15224-50T	CARBON RESISTOR	220K 1/8W 5%	
	R605	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R730	OW07-15683-50T	CARBON RESISTOR	68K 1/8W 5%	
	R606	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R731	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R607	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R732	OW07-15153-50T	CARBON RESISTOR	15K 1/8W 5%	
i i	R608	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%		İ	R733	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R609	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R735	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R610	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R736	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R612	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R737	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R616	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R738	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	R617	OW07-15153-50T	CARBON RESISTOR	15K 1/8W 5%			R739	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R618	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R742	OW07-15101-50T	CARBON RESISTOR	100 1/8W 5%	
	R620	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R743	OW07-15333-50T	CARBON RESISTOR	33K 1/8W 5%	
	R622	OW07-05022-10	CARBON RESISTOR	2.2 1/2W			R744	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R623	OW07-15223-50T	CARBON RESISTOR	22K 1/8W 5%			R745	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R624	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R746	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R625	OW07-15102-501	CARBON RESISTOR	10K 1/8W 5%			R747	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R626	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R747	OW07-15473-501	CARBON RESISTOR	33K 1/8W 5%	
	R627		CARBON RESISTOR	1.2K 1/8W 5%				OW07-15333-501			
	R627	OW07-15122-50T OW07-15100-50T	CARBON RESISTOR	1.2K 1/8W 5% 10 1/8W 5%			R750 R751	OW07-15102-501 OW07-15561-00	CARBON RESISTOR CARBON RESISTOR	1K 1/8W 5% 560 1/4W 5%	
	R630	OW07-15100-501	CARBON RESISTOR	100 1/8W 5%			R752	OW07-15361-00	CARBON RESISTOR	1K 1/8W 5%	
									CARBON RESISTOR		
	R631 R632	OW07-15222-50T OW07-15102-50T	CARBON RESISTOR CARBON RESISTOR	2.2K 1/8W 5% 1K 1/8W 5%			R753 R754	OW07-15101-50T OW07-05082-10	CARBON RESISTOR	100 1/8W 5% 8.2 1/2W	
										8.2 1/2 VV 100 1/8W 5%	
	R633	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R755	OW07-15101-50T	CARBON RESISTOR		
	R634	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R757	OW07-15562-50T	CARBON RESISTOR	5.6K 1/8W 5%	
	R635	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R758	OW07-15104-50T	CARBON RESISTOR	100K 1/8W 5%	
	R636	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R759	OW07-15512-50T	CARBON RESISTOR	5.1K 1/8W 5%	
	R637	OW07-15472-50T	CARBON RESISTOR	4.7K 1/8W 5%			R760	OW07-15222-50T	CARBON RESISTOR	2.2K 1/8W 5%	
	R641	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%			R761	OW07-15562-50T	CARBON RESISTOR	5.6K 1/8W 5%	
	R643	OW07-15682-50T	CARBON RESISTOR	6.8K 1/8W 5%			R762	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R644	OW07-15682-50T	CARBON RESISTOR	6.8K 1/8W 5%			R763	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	R645	OW07-15222-50T	CARBON RESISTOR	2.2K 1/8W 5%			R764	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R646	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%			R781	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	R647	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%		<u> </u>	R782	OW07-15273-50T	CARBON RESISTOR	27K 1/8W 5%	<u> </u>

■ Electrical parts list (CD&MCU board)

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Λ	Item	Parts number	Parts name	Remarks	Area
	R783	OW07-15222-50T	CARBON RESISTOR	2.2K 1/8W 5%	
	R784	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R785	OW07-15221-50T	CARBON RESISTOR	220 1/8W 5%	
	R786	OW07-15683-50T	CARBON RESISTOR	68K 1/8W 5%	
	R789	OW07-15683-50T	CARBON RESISTOR	68K 1/8W 5%	
	R790	OW07-15100-50T	CARBON RESISTOR	10 1/8W 5%	
	R791	OW07-15223-50T	CARBON RESISTOR	22K 1/8W 5%	
	R792	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R793	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R794	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	
	X601	OW04-07200-00H	CRYSTAL	7.2MHZ HC-49S	
	X602	OW04-32768-03S	CRYSTAL	32.768KHZ	
	X603	OW04-04332-01N	CRYSTAL	4.332MHZ 49U-NEW	
	X701	OW04-16934-41M	CRYSTAL	16.9344MHZ	

■ Electrical parts list (Power board)

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В	lock	No.	03

	=lectric	al parts list (Pow	er board)	Block No. 03	
Λ	Item	Parts number	Parts name	Remarks	Area
	CN403	OW20-21040-00	CONNECTOR HEAD	P=2MM 4PIN	
	CN705	OW20-41022-25	CONNECTOR HOUG	P=2MM 2PIN	
	CN901	OW20-12050-00	CONNECTOR HEAD	P=2.5MM 5PIN	
	CN902	OW20-12030-00	CONNECTOR HEAD	P=2.5MM 3PIN	
İ	CN903	OW20-42021-48	CONNECTOR HOUG	P=2.5MM 2PIN	
Δ	C901	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
$\overline{\mathbb{A}}$	C902	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
A	C903	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Λ	C904	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Δ	C905	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Δ	C906	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Λ	C907	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Λ	C908	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Λ	C909	OW05-00104-00	C.CAPACITOR	0.1MF 50V 10%	В
Δ	C909	OW05-00104-01	C.CAPACITOR	0.1MF 100V 10%	E,EN,EV
Δ	C910	OW05-00104-01	C.CAPACITOR	0.1MF 100V 10%	E,EN,EV
Δ	C910	OW05-00104-00	C.CAPACITOR	0.1MF 50V 10%	В
Λ	C911	OW05-00104-00	C.CAPACITOR	0.1MF 50V 10%	В
Λ	C911	OW05-00104-01	C.CAPACITOR	0.1MF 100V 10%	E,EN,EV
Δ	C912	OW05-00104-01	C.CAPACITOR	0.1MF 100V 10%	E,EN,EV
▲	C912	OW05-00104-00	C.CAPACITOR	0.1MF 50V 10%	В
Δ	C913	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Λ	C914	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
Δ	C915	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
A	C916	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
A	C917	OW06-16477-00	E.CAPACITOR	470MF 16V	
Δ	C918	OW06-25477-00	E.CAPACITOR	470MF 25V	
Λ	C919	OW06-35477-00	E.CAPACITOR	470MF 35V	
Λ	C920	OW06-35477-00	E.CAPACITOR	470MF 35V	
Δ	C921	OW06-25477-00	E.CAPACITOR	470MF 25V	
	C922	OW06-16336-00	E.CAPACITOR	33MF 16V	
	C923	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
	C924	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
	C925	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	
\triangle	D901	OW02-04001-00	DIODE	1N4001	
Λ	D902	OW02-04001-00	DIODE	1N4001	
\mathbf{A}	D903	OW02-04001-00	DIODE	1N4001	
\mathbf{A}	D904	OW02-04001-00	DIODE	1N4001	
\triangle	D905	OW02-04001-00	DIODE	1N4001	
\mathbf{A}	D906	OW02-04001-00	DIODE	1N4001	
⚠	D907	OW02-04001-00	DIODE	1N4001	
$\mathbf{\Lambda}$	D908	OW02-04001-00	DIODE	1N4001	
⚠	D909	OW02-05402-00	DIODE	IN5402-F	
\mathbf{A}	D910	OW02-05402-00	DIODE	IN5402-F	
\mathbf{A}	D911	OW02-05402-00	DIODE	IN5402-F	
\mathbf{A}	D912	OW02-05402-00	DIODE	IN5402-F	
Δ	D913	OW02-04001-00	DIODE	1N4001	
Λ	D914	OW02-04001-00	DIODE	1N4001	
⚠	D915	OW02-04001-00	DIODE	1N4001	
⚠	D916	OW02-04001-00	DIODE	1N4001	
	D917	OW02-04001-00	DIODE	1N4001	
	D918	OW02-04148-00R	DIODE	IN4148	
A	F901	OW33-57162-02	FUSE	1.6A 250V	
A	F902	OW33-57252-02	FUSE	2.5A 250V	
A	F903	OW33-57252-02	FUSE	2.5A 250V	
⚠	F904	OW33-57162-02	FUSE	1.6A 250V	
	HF901	OW39-10001-00A	FUSE HOLDER		
	HF902	OW39-10001-00A	FUSE HOLDER		
	HF903	OW39-10001-00A	FUSE HOLDER		
	HF904	OW39-10001-00A	FUSE HOLDER		
	JK401	OW12-00035-42	PHONE JACK	MSJ-0350-10AB	
	Q901	OW01-00733-16	TRANSISTOR	2SA733P	
	Q902	OW01-00945-16	TRANSISTOR	2SC945P	

\triangle	Item	Parts number	Parts name	Remarks	Area
\triangle	RL901	OW16-50105-00	RELAY SWITCH	OJ-SH-105LM	
	R901	OW07-15472-50T	CARBON RESISTOR	4.7K 1/8W 5%	
	R902	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R903	OW07-15473-50T	CARBON RESISTOR	47K 1/8W 5%	
	R904	OW07-15152-50T	CARBON RESISTOR	1.5K 1/8W 5%	
	R905	OW07-15680-26T	CARBON RESISTOR	68 1/4W 5%	
Λ	TR901	OW15-80005-00	TRANSFORMER	T05875A	
⚠	TR902	OW15-80003-01	TRANSFORMER	T28-012200500	

Block	Nο	04

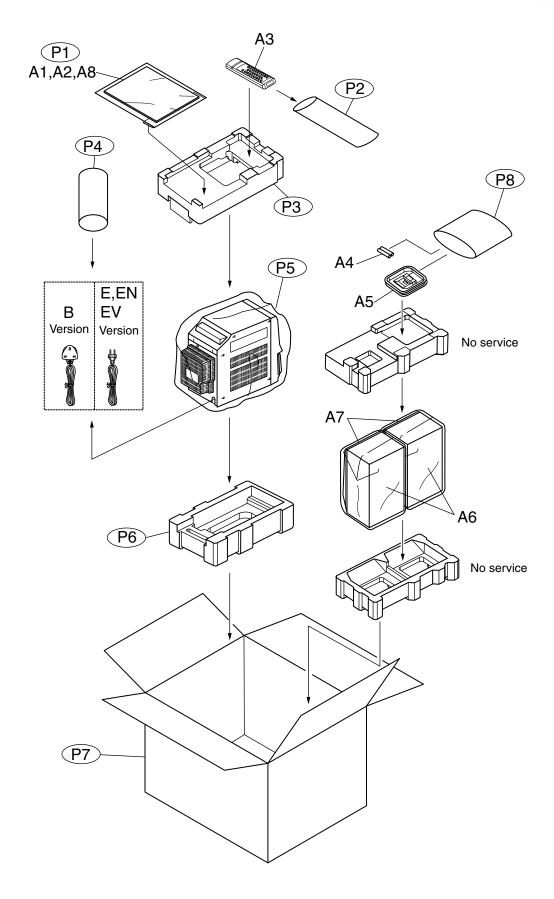
	Electrica	al parts list (Key	board)	Block No. 04	
Λ	Item	Parts number	Parts name	Remarks	Area
	CN103	OW20-12020-01K	CONNECTOR HEADE	P=2.5MM 2PIN	
	CN104	OW20-42032-17	CONNECTOR HOUG	P=2.5MM 3PIN	1
	CN801	OW20-41032-17	CONNECTOR HOUG	P=2MM 3PIN	1
	CN802	OW20-41062-26	CONNECTOR HOUG	P=2MM 6PIN	1
İ	C801	OW06-10476-00S	E.CAPACITOR	47MF 10V	1
	C802	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	1
	C803	OW05-00203-82	C.CAPACITOR	0.02MF +80/-20%	1
	D801	OW02-30004-07	LED	BLUE 31B4SCB04	1
	D802	OW02-30004-07	LED	BLUE 31B4SCB04	1
	D804	OW02-50000-10D	LED	RED/GRN	1
	D805	OW02-50000-10D	LED	RED/GRN	1
	D806	OW02-50000-10D	LED	RED/GRN	1
	D807	OW02-04148-00R	DIODE	IN4148	1
	D808	OW02-04148-00R	DIODE	IN4148	1
	D809	OW02-04148-00R	DIODE	IN4148	1
	D810	OW02-04148-00R	DIODE	IN4148	1
	LED	OW25-23070-02K	CONNECTOR	UL2651 2PIN	1
	Q801	OW01-00945-16	TRANSISTOR	2SC945P	1
	Q802	OW01-00733-16	TRANSISTOR	2SA733P	
	Q803	OW01-00945-16	TRANSISTOR	2SC945P	
	Q804	OW01-00733-16	TRANSISTOR	2SA733P	
	Q805	OW01-00945-16	TRANSISTOR	2SC945P	1
	Q806	OW01-00733-16	TRANSISTOR	2SA733P	
	R801	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	1
	R802	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	1
	R803	OW07-15101-50T	CARBON RESISTOR	100 1/8W 5%	1
	R804	OW07-15121-50T	CARBON RESISTOR	120 1/8W 5%	1
	R805	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	1
	R806	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	1
İ	R807	OW07-15101-50T	CARBON RESISTOR	100 1/8W 5%	1
	R808	OW07-15121-50T	CARBON RESISTOR	120 1/8W 5%	1
	R809	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	1
	R810	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	1
	R811	OW07-15121-50T	CARBON RESISTOR	120 1/8W 5%	1
İ	R812	OW07-15101-50T	CARBON RESISTOR	100 1/8W 5%	1
	R813	OW07-15750-50T	CARBON RESISTOR	75 1/8W 5%	1
	R814	OW07-15471-50T	CARBON RESISTOR	470 1/8W 5%	1
	R815	OW07-15152-50T	CARBON RESISTOR	1.5K 1/8W 5%	1
	R816	OW07-15102-50T	CARBON RESISTOR	1K 1/8W 5%	1
	R817	OW07-15272-50T	CARBON RESISTOR	2.7K 1/8W 5%	1
	R818	OW07-15562-50T	CARBON RESISTOR	5.6K 1/8W 5%	1
	R819	OW07-15682-50T	CARBON RESISTOR	6.8K 1/8W 5%	1
	R820	OW07-15333-50T	CARBON RESISTOR	33K 1/8W 5%	1
	R821	OW07-15273-50T	CARBON RESISTOR	27K 1/8W 5%	
	R822	OW07-15823-50T	CARBON RESISTOR	82K 1/8W 5%	
	R823	OW07-15750-50T	CARBON RESISTOR	75 1/8W 5%	Ì
	R824	OW07-15471-50T	CARBON RESISTOR	470 1/8W 5%	
	R825	OW07-15681-50T	CARBON RESISTOR	680 1/8W 5%	
	R826	OW07-15182-50T	CARBON RESISTOR	1.8K 1/8W 5%	
	R827	OW07-15912-50T	CARBON RESISTOR	9.1K 1/8W 5%	
	R828	OW07-15392-50T	CARBON RESISTOR	3.9K 1/8W 5%	
	R829	OW07-15822-50T	CARBON RESISTOR	8.2K 1/8W 5%	
	R830	OW07-15153-50T	CARBON RESISTOR	15K 1/8W 5%	
	R831	OW07-15273-50T	CARBON RESISTOR	27K 1/8W 5%	Ì
	R832	OW07-15823-50T	CARBON RESISTOR	82K 1/8W 5%	
	R833	OW07-15100-50T	CARBON RESISTOR	10 1/8W 5%	
	R834	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R835	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	
	R836	OW07-15103-50T	CARBON RESISTOR	10K 1/8W 5%	Ì
	R837	OW07-15560-50T	CARBON RESISTOR	56 1/8W 5%	
	SE801	OW02-67138-00	SENSOR	RPM7138-V4	
	SW801	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	Ì
1	SW802	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	

Δ	Item	Parts number	Parts name	Remarks	Area
	SW803	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW804	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW805	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW806	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW807	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW808	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW809	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW810	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW811	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW812	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW813	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW814	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW815	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW816	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW817	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW818	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW819	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	
	SW820	OW16-10101-08S	TACT SWITCH	EVQJAE05R H=5MM	

Packing materials and accessories parts list

Block No. M 3 M M

Block No. M 5 M M



■ Parts list (Packing)

Block No. M3MM

Λ	Item	Parts number	Parts name	Q'ty	Description	Area
	P1	OW85-91014-02	POLY BAG	1	INSTRUCTIONS	
	P2	OW85-00025-01A	POLY BAG	1	REMOTE UNIT	
	P3	OW86-50000-00	POLY FOAM	1	TOP	
	P4	OW90-00018-00	POLY BAG	1	AC POWER COARD	
	P5	OW85-92224-04	POLY BAG	1	SET	
	P6	OW86-50000-01	POLY FOAM	1	BOTTOM	
	P7	OW83-30000-12	GIFT BOX	1		
	P8	OW85-90710-04	POLY BAG	1		

■ Parts list (Accessories)

Block No. M5MM

Λ	Item	Parts number	Parts name	Q'ty	Description	Area
	A1	OW88-50000-51	INSTRUCTIONS	1	SWE,FIN,CZE	EN
		OW88-50000-51	INSTRUCTIONS	1	GER,FRE,SPA,ITA	EN
		OW88-50000-49	INSTRUCTIONS	1	ENG	В
		OW88-50000-47	INSTRUCTIONS	1	RUS,POL,HUN,CZE	EV
		OW88-50000-40	INSTRUCTIONS	1	GER,FRE,DUT	E
	A2	OW88-50000-58	WARRANTY CARD	1	BT-54008-3	
	А3	OWV-RE-JVC	REMOTE UNIT	1	RM-SUXM5R	
	A4		BATTERY	2		
	A 5	OW23-04910-02	AM ANT LOOP	1	4910 L=1M W/JST	
	A6	OW00-50000-00	SPEAKER BOX	2		
	A7	OW55-50000-00	SPK NET ASSY	2		

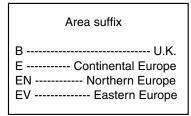
JVC

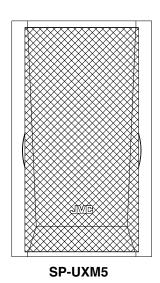
SCHEMATIC DIAGRAMS

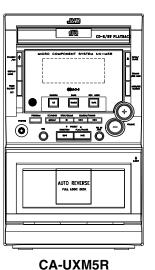
MICRO COMPONENT SYSTEM

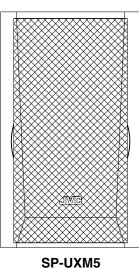
UX-M5R

CD-ROM No.SML200207











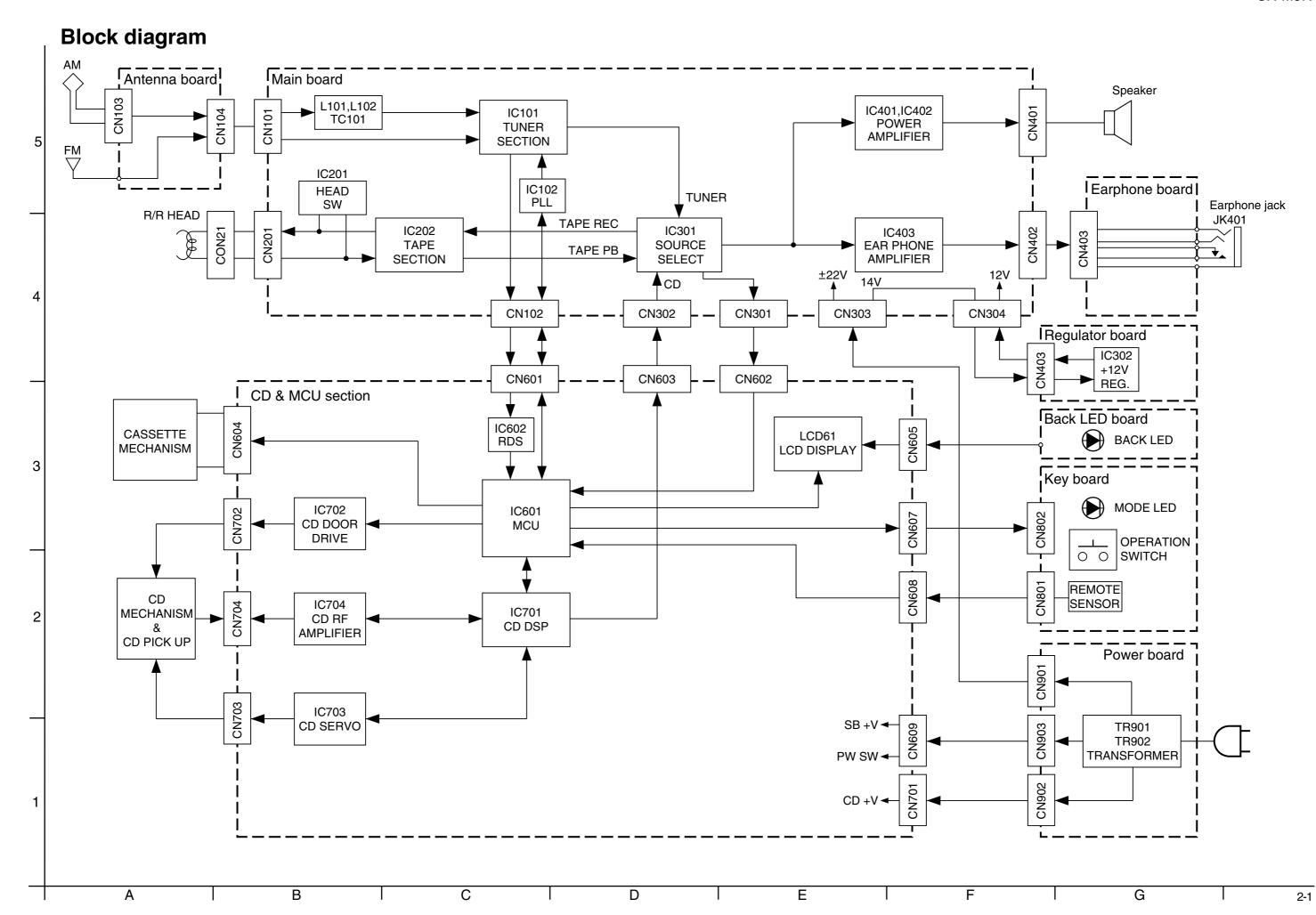
Contents

Block diagram	2-1
Standard schematic diagrams ······	
Printed circuit boards	

UX-M5R

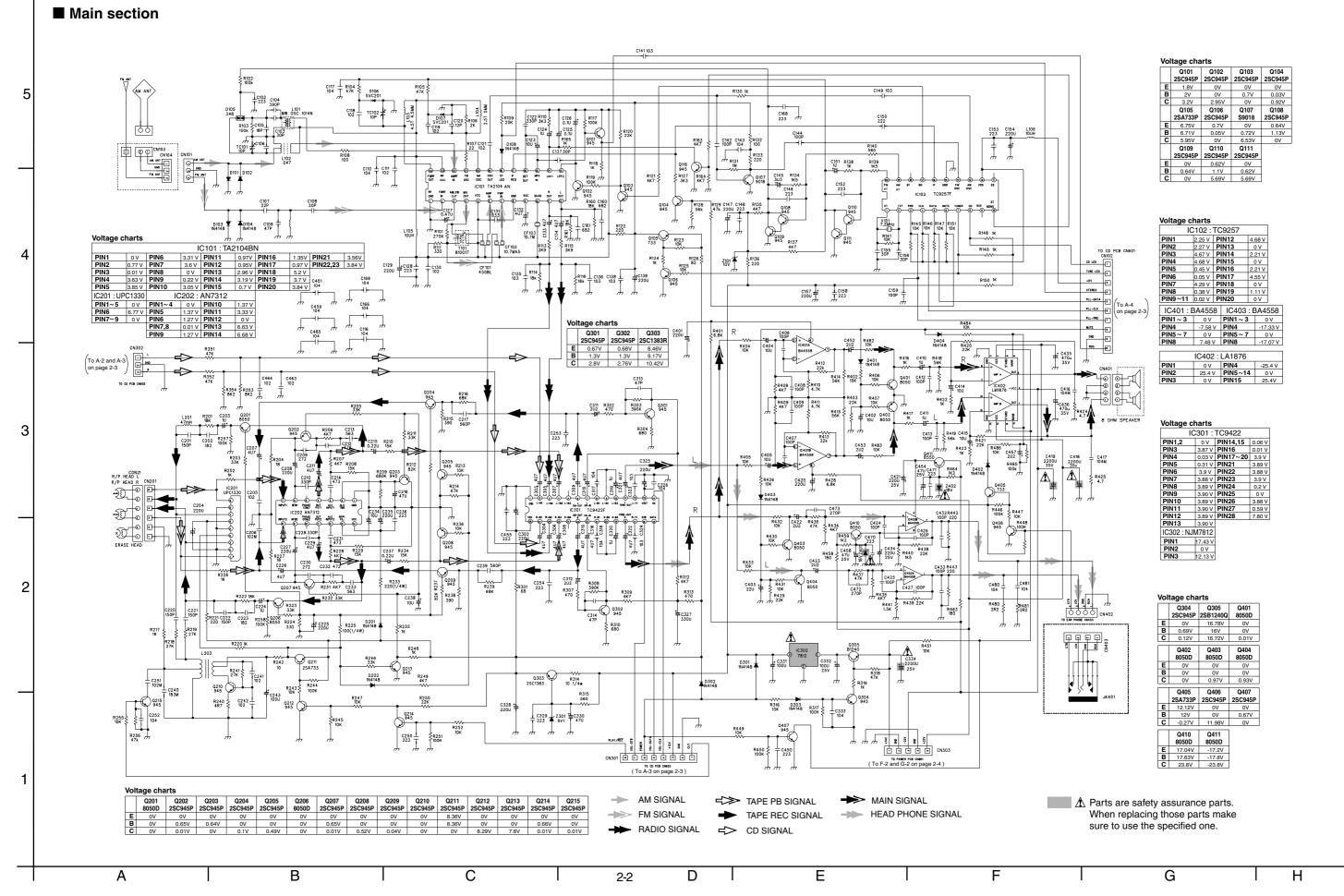
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (—), diode (—) and ICP (—) or identified by the "\Lambda" mark nearby are critical for safety.

(This regulation does not correspond to J and C version.)



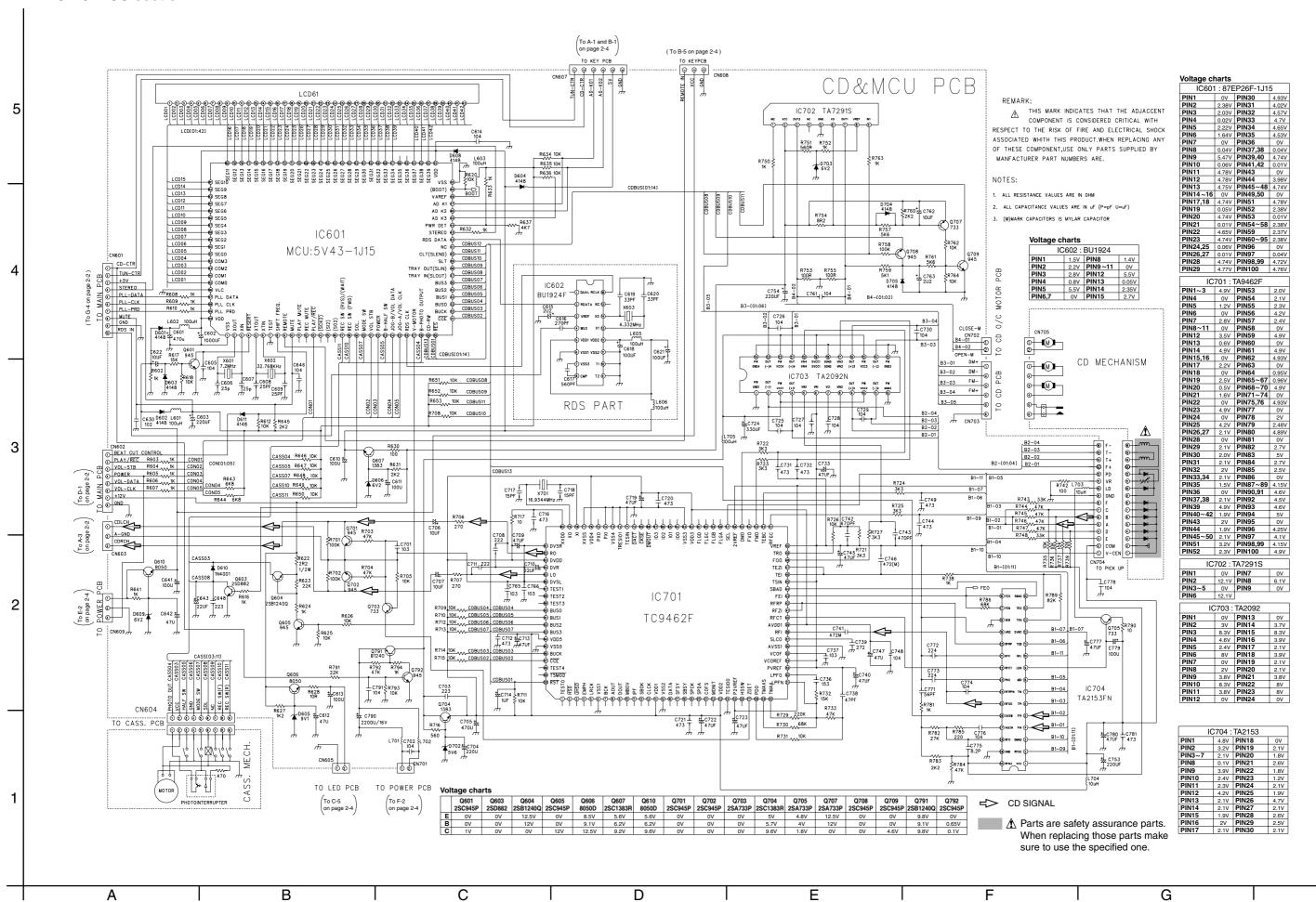
Standard schematic diagrams





2-3

■ CD & MCU section



■ Key section (To D-5 on page 2-3) (To B-1 on page 2-3) TO CD PCB CN608 TO CD PCB CN605 1000 2812 100 0806 733 PCB R811 BACK D810 N4148 8889 888 \$ PCB Ĺ Ш **4**1 ²⁄₂ 100 R837 ✓ TO CD PCB CN607 Voltage charts Q802 Q803 Q804 Q805 2SC945P | 2SA733P | 2SC945P | 2SA733P | 2SC945P | 2SA733P To D-5 on page 2-3

В

0V

1.9V

2.7V 3.7V 0.5V 1.25V 2.5V 3.65V C 2.1V 0V 3V 1.85V 1.9V 0V

С

1.8V

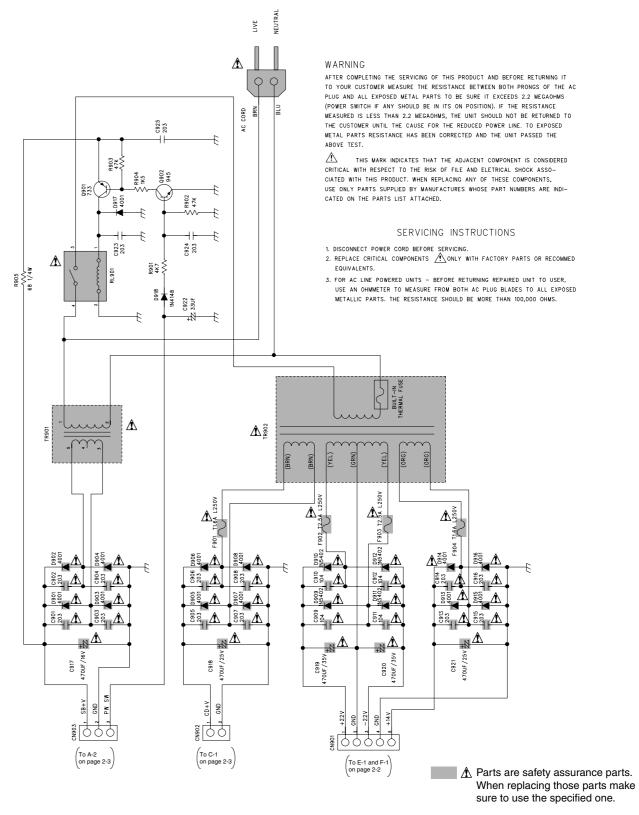
D

2-4

Ε

■ Power section

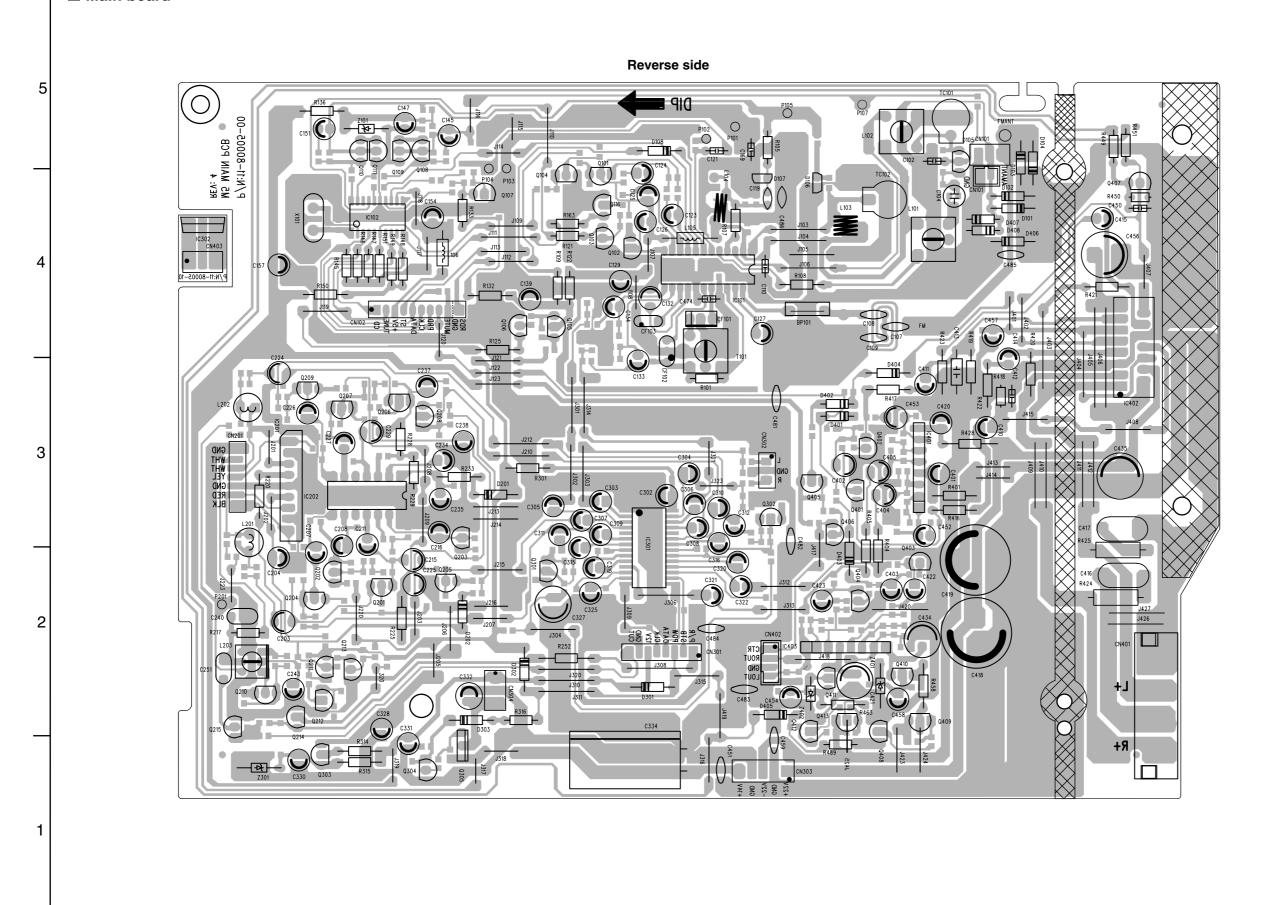
UX-M5R



G

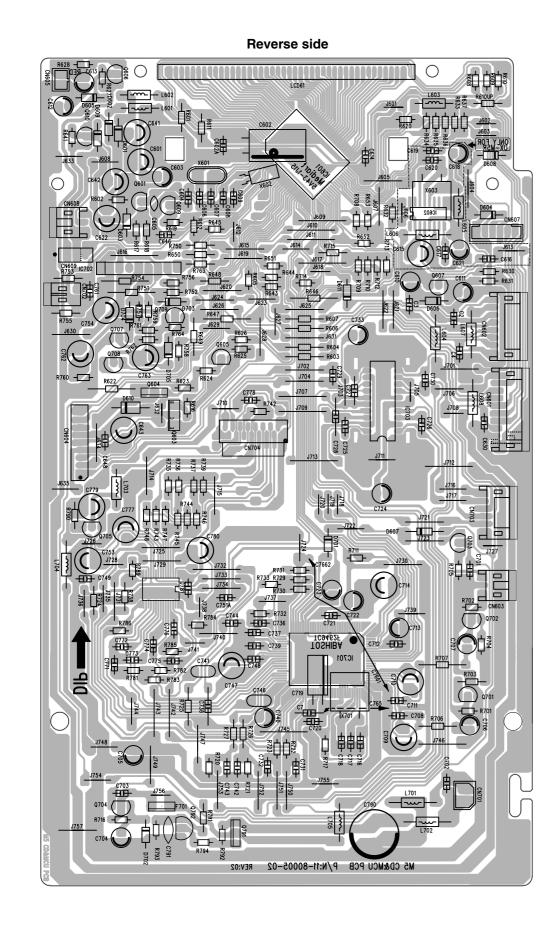
Printed circuit boards

■ Main board

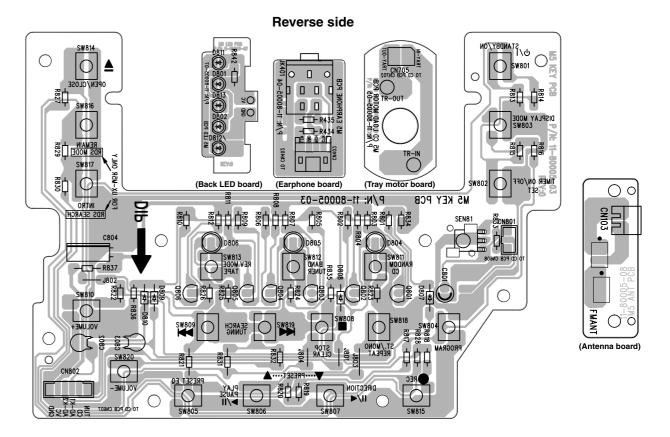


A B C D E F G 2

■ CD & MCU board

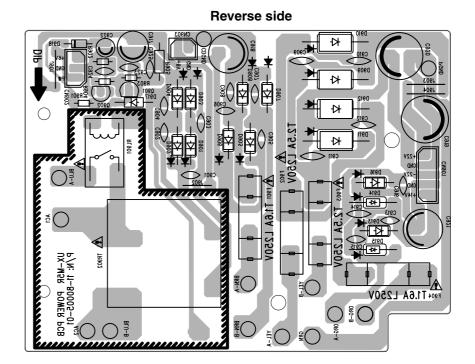


■ Key board



■ Power board

Ε



< MEMO >



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